

The "Tassie Fires – We Can Help" Facebook page: The power and efficacy of social media in an emergency

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The scenario unfolds



- 52
- 42°
- Catastrophic Danger Rating
- Storm cell → 35 more
- 200 resources
- Comms down. Isolation. Loss. Confusion. Big search for info. Distress. Official response lacking.

What I was doing – first action





Melanie Irons January 4

I just rang the Sorell RSL where they have about 100 people – Michael there says they are sorted for food and blankets thanks to local businesses and the SES, but tomorrow they need to cook breakfast and lunch for everyone and would happily accept some pairs of hand on deck. If anyone else is free head down there! Will ask Damo when he gets back from work if there's anything else we can do from this side of the river.



Second action



Please post if you have something to offer/know of how we can help. Please share!



Tassie Fires - We Can Help

My name is Mel Irons and I started this page on the night the fires broke out in Tasmania (Friday Jan 4th 2013). We have been working hard as a community to share accurate information, look after those in need, and to provide support.

Page: 20,144 like this

Like · Comment · Promote · Share





la: Taccin Fires - We Can Help elp the girls again with hay or fencing?? ** There is an incident management team in place for the TFS fire fighters ovide the names and Tassie Fires - Would organise a Good story It would be great if people can start collect and no feed an January 5, 2013 Largin a setten - I will post up here ASAP when charitic If you need urgent information about more you have had a Ed Gauden is the CEO of Just a reminder that the Red Cross will be deeded! to the TES webpage or tune in to Loc gear out 60km of fend relief not-for-p Can anyone help Jan? Tassie, the RACT and be believe he was at Port Arthur. He may have been helping lad. ment to even ke Bay Roa Hi, just wondering if any (see if you could these are preferred at the moment) non per ain. Thsnkyou E to collect clothing and baby Nubeena who may know marsh http Everyon la Cuthbert believe he was at Port A HAVE YOU BEEN WONDERING HOV Also amazing! on the Facebook page are wanting to as he works for the Port elp 3 601 SES emergency management unit SAT Thank you to everyone w donations nov From Volunteering Tasmania these posts as State Police - no help is currently need yesterday. My father, Tin since last night? Arthur. an F still taking place) howeve Like · Comment · Share hay donations we have around 1500 sheep left and no feed We love hearing news like this - thanks Mick! Like · Comment · Share SLS UZSU Z, 07 to find out what you ca vve are now putting on GOOD HIGHT EVERYONE: 1 assic Files - We Call Help sold will go to the fire at awesome job your doing well done - my family - I asked David O'Byrne yesterda know that it is up and running for desperate people in need of fuel from whats evolved from your page well done :)))) the repulse fire which SES emergency management unit SATURDAY MORNING January 6, 2013 · @ s so much to eve **Are you ii. CAN YOU But the water situation is dire. an anyone please confirm any official dro We all agree this money needs to be distributed ASAP, all I can say is be patient everyone. There is plenty of pressure to get this money moving Family of 7 at the City Hall (tourist from omment · Share Can I PLEASE re-iterate however that don fast but it's gotta be done right.... Launceston today. If you can offer a ride heard about t needed so much right now (unless you car - Government is well aware of the hobby farmers who Tassie Fires - We Can Help the ABC will be watching this page and bod to know tha todayIII) - MONEY MONEY MONEY place the cracks" in terms of not being eligible for funding (if January 9, 2013 · @ thinking of us and doing requests for information about people unaccounted for. Connelly's Marsh 3 yourself known to D ** ARE YOU IN DUNNALLEY? *** have done is so very mu ith the ABC about thi rassie rires - we can neip shared Brian Keightiey's photo. All I can say here: keep dor DUNALLEY NEIGHBOURHOOD HOU having spend the second as blankets, and walked Can anyone help with this Tassie Fires - We Can Help Tassie Fires - We Can | · INTERNET AVAILABLE was given a toothbrush, I am 1) Hazell Brothers work jously, seriously do January 8, 2013 · @ January 6, 2013 · 🚱 MOBILE PHONE BATTERY CHARG of underparts - Lactually ASAI 2) The school full of builk you Blaze Aid and TEA & COFFEE CAN WE HELP JESS NOW??? Can anyone help Garry? RELAXING SPACE TO REST January 4, Like . 4) A cycling event that i e Aid up-date - Tota I will be so grateful if you would post this you s Friends at Connelly's Marsh are Dunalley Tasman Neighbourhood ho menced on 47 of the My mum in her seventies is at Sommers generator. They are watching fe Dunallov 6253 5570 massive! Keep buying to go. Total number electric pumps, hence she can't get wat Reminder to people tl 5) That there is regene,/women hours work the pumps. Can anyone in the area plea stopping. If some **Tassie Fires - We Can Help** I otal number of new fer down if you're going? Her name is Sally generator, they donations etc - but I v January 4, 2013 · 🚱 Connelly's and a January 8, quys. we are told who need All those unhappy families who walked through our doors looking for a few fo Again WHO CAN HELP AMY? YES E Start collecting the es Remember, for importan items and able to walk away with essential supplies with a huge smile on getting Hi please help. A girl called me to move 6 their faces, due to the love and support of organisations just like yours. Fire Service webpage: Like · Comment · Share far away her Just h Your blood is worth bottling, all we can say is THANK YOU everyone who Tassie Fires - We Can H ge help her. has donated and helped January 4, 2013 · 🚱 doing for Do NOT try to get in anywhere that you can't everyone - is anyone in that of footwe Tassie Fires - We Ci Like · Comment What we need now is good inform delivered January 6, 2013 · 🚱 here if you are in the know! they are looking allowed do not call the hotline unless jt is an emergency. Like · Comment · Share 1F5 Online Message from Autism Tasmania: running a carload down to S we could scrounge up here i No fires may be lit or be allowed Hi there, I own the service station in Dunalley. Just wanted to let everyo the open air from Friday 04 Jan know that it is up and rupping for desporate people in Malhourna

A few sample posts...







Can anyone help Garry?

Friends at Connelly's Marsh are isolated and require basic foods and a generator. They are watching ferries passing by but apparently not stopping. If someone could drop off some food and somehow arrange a generator, they would be grateful. They are close to the beach at Connelly's and are keeping watch. Many thanks for responses to previous requests for information about people unaccounted for. Connelly's Marsh like many other areas is "a crime scene" and may remain off limits for some time yet.

Do NOT try to get in anywhere that you can't everyone - is anyone in that area?





Tassie Fires - We Can Help January 8, 2013 · ♠

CAN WE HELP JESS NOW???

I will be so grateful if you would post this.

My mum in her seventies is at Sommers Bay. Her water tanks are on electric pumps, hence she can't get water. She needs a generator to run the pumps. Can anyone in the area please lend a generator or take one down if you're going? Her name is Sommers Bay Road.

Everyone is safe at Sommers Bay but pretty exhausted with fire fighting. But the water situation is dire.





Tassie Fires - We Can Help

January 6, 2013 · 🚱

Go Tassie!

I have just been to the Sorell Gym to drop off items and I can truly say the Community is pulling together the car park was full with people donating food and clothing..What a truly inspirational thing to see Tassie pulling together at a time of need. Well done to Mel for starting this page and coordinating so much information.

Reminder that I just spoke to them 30 seconds ago and they are now good for donations. Stay tuned.





Tassie Fires - We Can Help

January 6, 2013 · 🚱

CAN YOU HELP?

Family of 7 at the City Hall (tourist from Brisbane) need to get up to Launceston today. If you can offer a ride please post your details here - the ABC will be watching this page and will call you!





Tassie Fires - We Can Help January 6, 2013 · ♠

ARE YOU IN NUBEENA PLEASE HELP

IF YOU'RE IN NUBEENA - a yacht laden with supplies is arriving but having trouble negotiating way to shore - requesting some "landing lights" from those on shore pls! PLEASE SHARE and get the word out - this boat is packed with food, blankets, water, clothes, toiletries, pet food etc for those in need! You can contact Jodie on boat: 0448180726





Tassie Fires - We Can Help

January 22, 2013 · 🚱

I had two phone calls from the Red Cross today about fundraising 9

I will have an "official" post soon BUT I just wanted to say that they are absolutely stunned at how many fundraisers have been set up for the Tasmanian Bushfire Appeal. They said it had been huge; and quite out of the ordinary.

So. Well done all of you who decided that you too could host a fundraiser! Still plenty of time to get something happening... Just gotta fill out the form!

http://www.redcross.org.au/fundraise-for-us.aspx





Tassie Fires - We Can Help January 8, 2013 · ♠

*** HAVE YOU GOT HAY TO DONATE? ***

Contacts for the hay / feed drive across northern Tasmania are as follows.

Dimity hirst co ordinator O408506103

Scottsdale ... Andrew Burrows, 605 north Scottsdale road, Scottsdale Cressy Cressy transport, (Peter davey)1330 powranna road, cressy Spreyton Case (Trevor Shipton) old tas farm yard, spreyton road. Smithton ... Allan Lord, cnr irishtown and marthicks rd, (near ta Ann) Wynyard Bill King, cnr Bass Hwy and reservoir rd, (near airport)





Tassie Fires - We Can Help

January 9, 2013 · 🚱

Just got a call from Tasmania Police.

They wanted to say thanks to everyone.

GO TASSIE!

Stay up to date, listen to ABC Local Radio, and check the Police page, and keep up the hard work!



Spoke to the Department of Premier and Cabinet this morning, this are going to keep us updated too.

PLEASE READ

Hi Mel,

Great initiative and thanks for helping distribute our messages. Speaking points on donations attached.

Useful information, including contacts and where to access support here: http://www.dpac.tas.gov.au/news_and_features/bushfire_recovery

The twitter account: https://twitter.com/TasBushFires will promote when the information on the website is updated. It is also promoting updates provided by other service providers (e.g. Aurora) and Government announcements.

I'll keep any extra info flowing through. Keep in touch.

Donations - talking points 060113.pdf

Department of Premier and Cabinet - TASMANIA : Bushfire recovery

The Department of Health and Human Services is providing support for people impacted by Tasmania's bushfires, including housing and health services. See a full list of emergency contacts.

DPAC.TAS.GOV.AU



The unofficial responders: the splinter groups



- Burridge, Bill and Phil the
 Dunalley Recovery
 Centre/evacuation hub
- Bec, Dimity and Gabbi –livestock and livestock food
- Andrew, Adrian, Adriaan, Mike,
 Natasha, Patrick, Jodie boats
- Ed and Mel The Foodbank (food delivery)
- Elaine, Peter, Camille The Don (community refuge centre)

- Jess, Nikki and Jim The Sorell RSL RSL (main evacuation hub/Red Cross registration site)
- Tammy Sorell Gym (clothing)
- Nicola, Nicole, Trish, Tricia, Jane, Tegan, Rachel, Linda – scanning Facebook for me/admin/Twitter/website
- Cathy and Tering the emergency vet clinic at Dunalley
- Blaze Aid fencing

And how exactly were they working together?





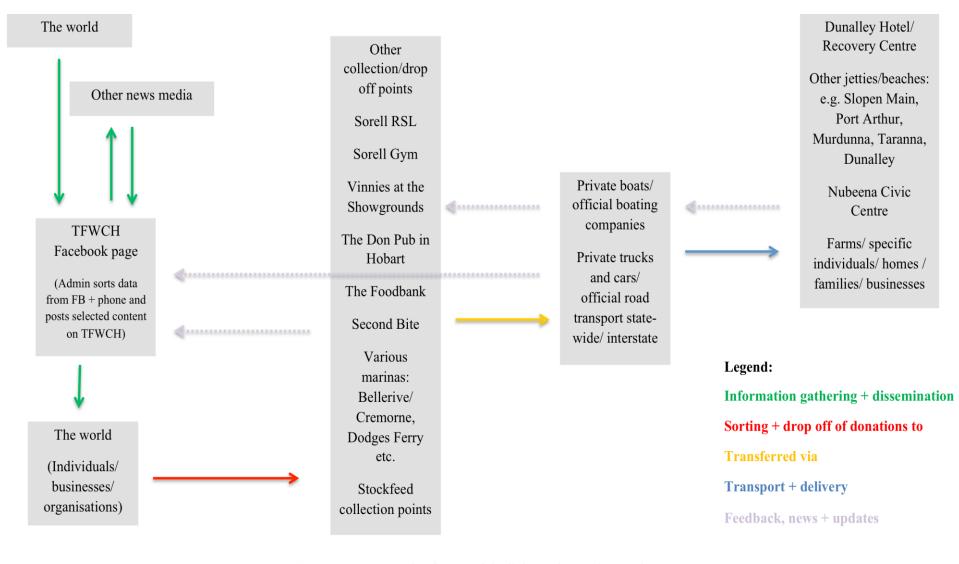


Figure X. An example of some of the linkages happening on the page

Interoperability

- Range of levels of comms
- Range of levels of trust
- Key personality factors of people 'at the top'

Some case studies:

- Tasmania Police
- Tasmania Fire Service
- St Vincent de Paul's
- The Foodbank
- Volunteering Tasmania
- State Government/BRU







Thesis aims

- To document the TFWCH case study
 - New area, almost no research on emergent groups or the use of Facebook
- To provide two sets of recommendations: for 'officials' and 'unofficials'

- Areas of interest:
 - Social media, new spontaneous volunteers, resilience, psychological first aid, interoperability, community processes, community engagement, empowerment, trust, information curation

Data



- Facebook stats and metrics for 1 year (23 metrics)
- Questionnaires (quant + qual) (n = 678)
- Facebook archives of Admin's posts (2,443 posts)

Metrics Analysis

TASSIE FIRES we can help 1

- 20,860 (at peak)
- **858**
- Mobile v. desktop
- 20.3% v. 79.7%
- 25 34yo fans
- 35 44yo fans sharing stories
- 34,836,611 (first year)
- **2**,826,273 (first year)
- **4.3** 12.5
- **2**,500%
- 0... resource heavy!



Qualitative Analysis 1

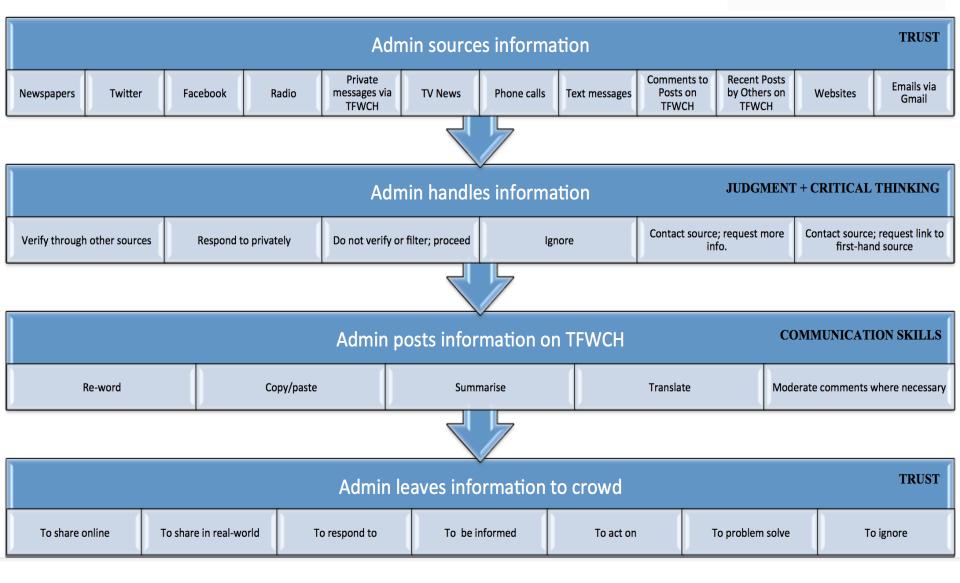


- NCapture function of NVivo
- 2,443 posts
- 6 overarching themes + 173 key themes + 935 subordinate themes

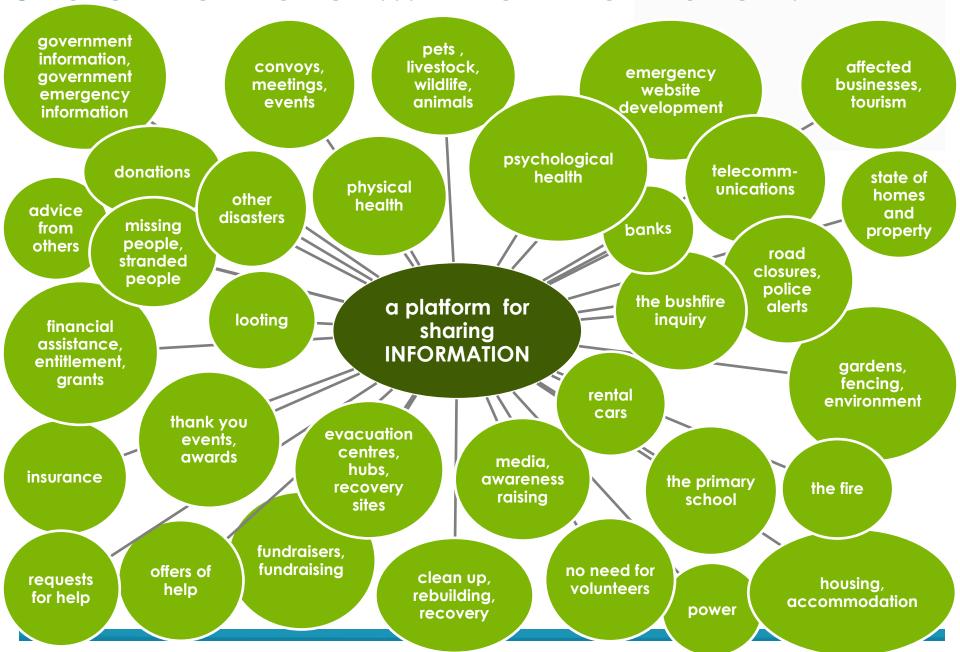
Overarching themes

Overarching theme	Description
The emergency	The scenario that had developed due to a bushfire emergency
The response	Aspects relating to the official response and the community response
Page administration and management	Administrative and communication style and approach; page structure, function, and design
Page function: a platform for sharing information	The broadcasting of information relating to multiple topics and issues
Page function: an arena for requesting help	The broadcasting of requests for assistance relating to multiple topics and issues
Page function: a marketplace for offers of help	The broadcasting of offers of assistance relating to multiple topics and issues

Share information... how?



Share information... what information?



Arena to request what help? A marketplace to offer what help?



Donation/ loaning of items

Delivery/ transport

An arena/marketplace for requesting help/offering help

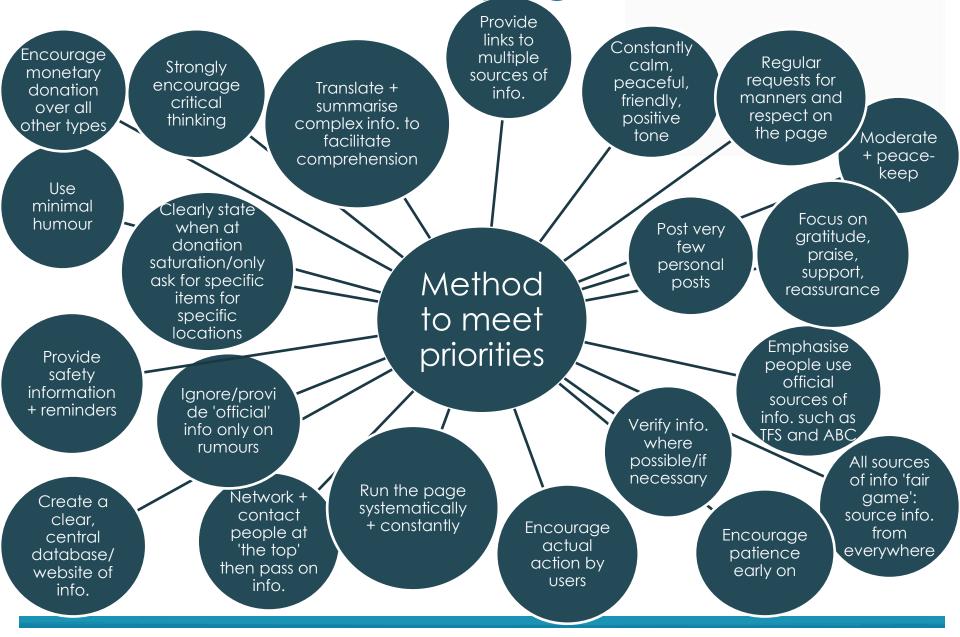
Information

Assistance

What was I trying to focus on?



And how was I trying to do that?



Quant Analysis

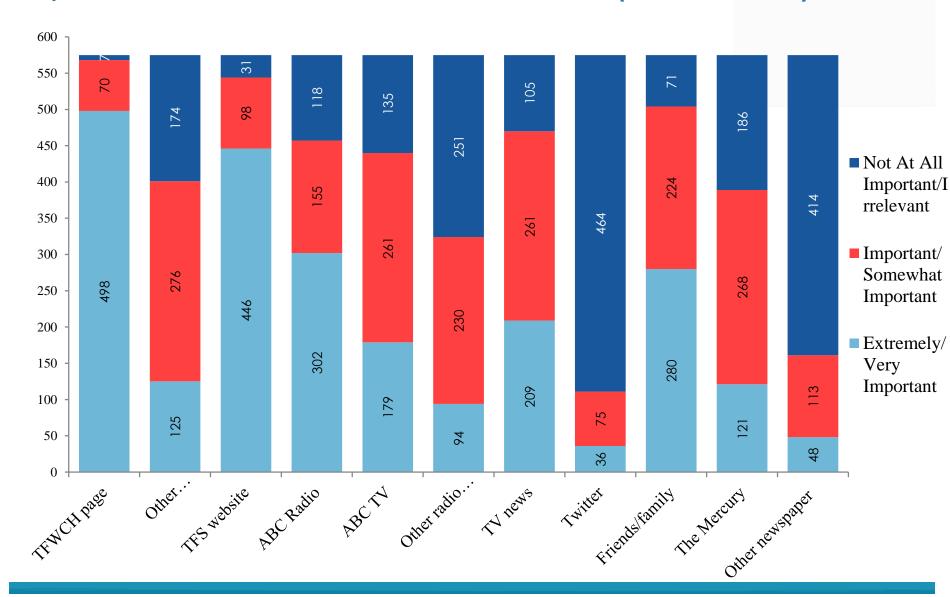
Questionnaire	Short title	Intended respondents	Sample size
Q1	Individual Contributors	Individual people who had helped/contributed	n = 531
Q2	Business/Org- anisation Contributors	Businesses, organisations and companies who had helped/contributed	n = 95
Q3	Bushfire Affected Individuals	People who had been impacted by the bushfires themselves	n = 52
		Total	N = 678

Quant Analysis

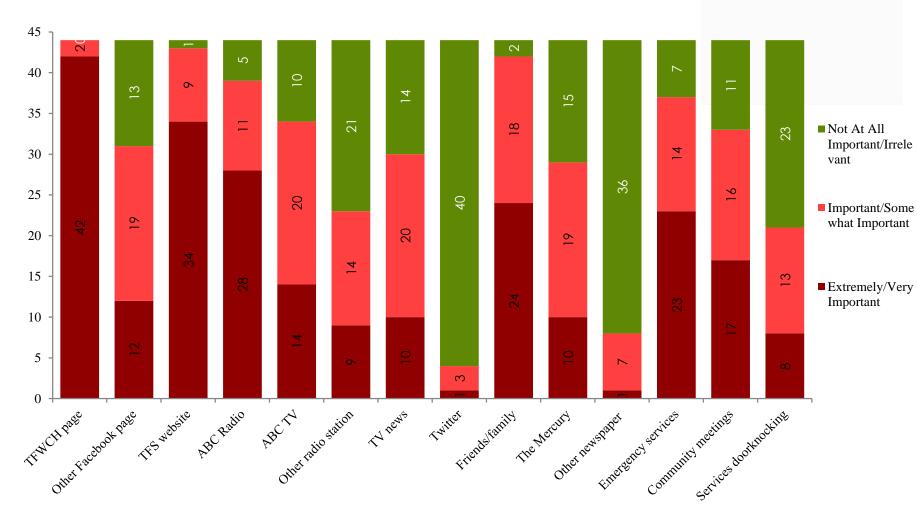


- Multiple items
- E.g.:
 - Origin, location at time of fires, source of referral to TFWCH, importance of different news media, org/business, volunteering behaviours and activities, impact of TFWCH on volunteering behaviours and activities, positive/negative feedback about TFWCH, assistance sought/received through TFWCH

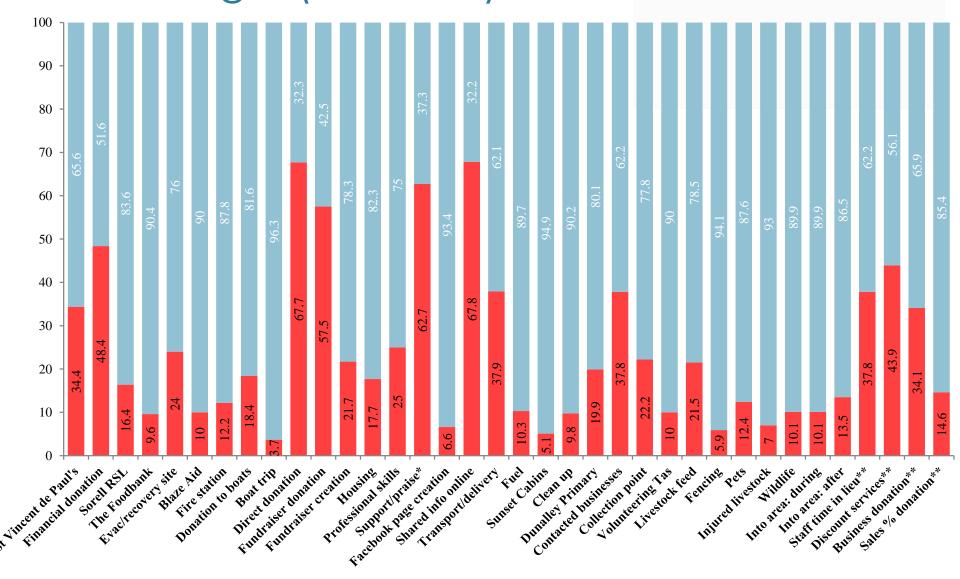
Importance of various media (Q1 + Q2)



Importance of various media (Q3)



Spontaneous volunteers...What were they even doing?! (Q1 + Q2)





Top 10 for Individuals

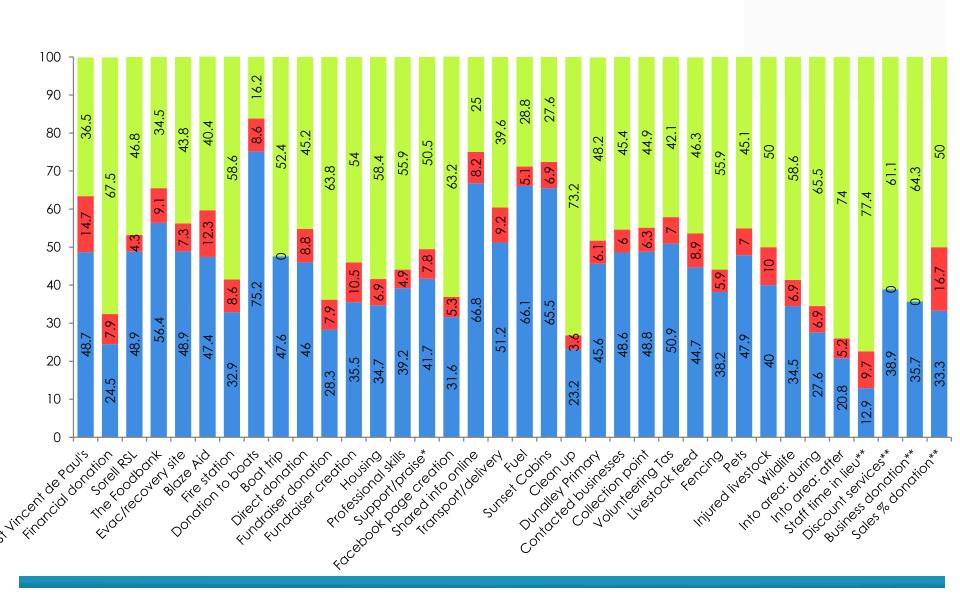
Volunteering behaviour	Volunteers
Direct donation	340
Shared info online	338
Support/praise	307
Fundraiser donation	292
Financial donation	242
Transport/delivery	183
St Vincent de Paul's	180
Contacted business	177
Evac/recovery site	119
Livestock feed	109





Volunteering behaviour Volunteers Shared info online 50 Direct donation 47 Professional skills 43 Contacted businesses 39 Fundraiser donation 37 Discount services 36 Financial donation 35 Transport/delivery 34 Fundraiser creation 31 Staff time in lieu 31

Did TFWCH have an impact? (Q1 + Q2)



Page impact for Individual Volunteers – Top 10

Volunteering behaviour	Volunteers	Page had an impact on X%	Volunteers influenced
Shared info online	338	70.1%	237
Direct donation	340	47.1%	160
Support/praise	307	41.7%	128
Transport/delivery	183	53.6%	98
Contacted business	177	52.5%	93
St Vincent de Paul's	180	48.9%	88
Fundraiser donation	292	28.4%	83
Donation to boats	98	76.5%	75
Financial donation	242	25.6%	62
Evac/recovery site	119	49.6%	59

Page impact for Org Volunteers – Top 10

Volunteering behaviour	Volunteers	Page had an impact on X%	Volunteers influenced
Shared info online	50	44.0%	22
Direct donation	47	38.3%	18
Discount services	36	38.9%	14
Transport/delivery	34	38.2%	13
Professional skills	43	27.9%	12
Contacted businesses	39	30.8%	12
Collection point	29	41.4%	12
Fundraiser donation	37	27.0%	10
Business donation	28	35.7%	10
Fundraiser creation	31	25.8%	8
			-

...What about traditional volunteering?



	Yes	No
	Frequency (Percentage)	
Did you put your name down with Volunteering	57 (8.4%)	515 (76.0%)
Tasmania?		



If you put your name down, would you have done this without TFWCH?	Frequency (Percentage)
No way/probably not/page enabled me	39 (50.9%)
Hard to say. Not sure.	4 (7.0%)
Probably/definitely	24 (42.2%)
Total	57 (100.0%)



If you did put your name down with Volunteering Tasmania, have they contacted you yet?	Frequency (Percentage)
Yes! I have already done stuff!	10 (17.5%)
Yes but I haven't done anything yet	25 (43.9%)
No I haven't heard from them	22 (38.6%)
Total	57 (100.0%)

Summary...

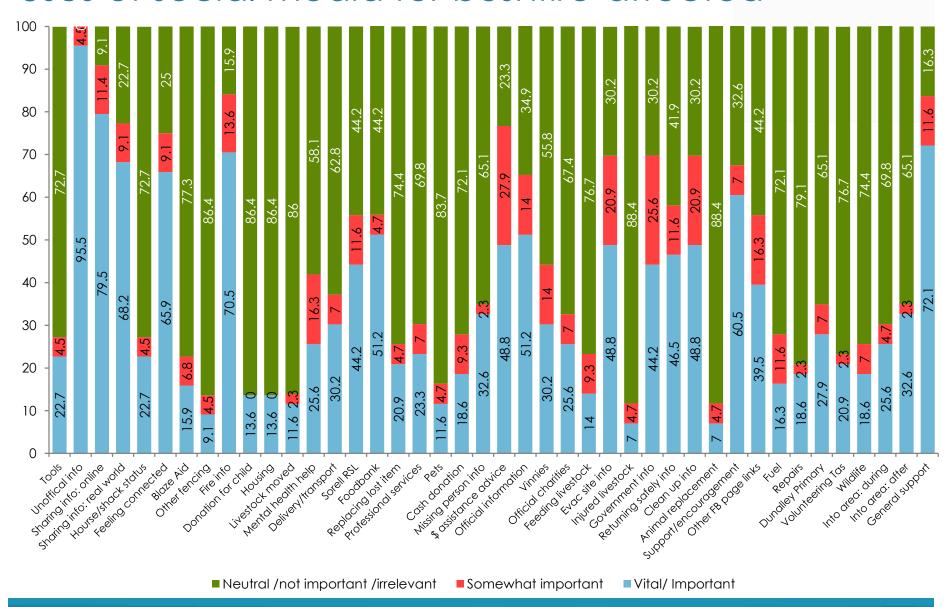


 8.4% of the sample said they put their name down with VT

 Only 17.5% of those people had done anything with VT, four weeks post-disaster

That represents only 1.7% of the whole sample

Uses of social media for bushfire-affected



Top 11 most important benefits of TFWCH for bushfire-affected



-	
Sourcing unofficial information	95.5%
Sharing information online	79.5%
Getting general support	72.1%
Getting fire-related information	70.5%
Sharing information in the real world	68.2%
Feeling connected	65.9%
Getting encouragement/support	60.5%
Getting official information	51.2%
Help from the Foodbank	51.2%
Evacuation hub information	48.8%
Info on financial assistance	48.8%

Qualitative Analysis 2



- 4 items
- 1,302 responses
- 18 overarching themes + 224 key themes + 675 subordinate themes
- (no time!)

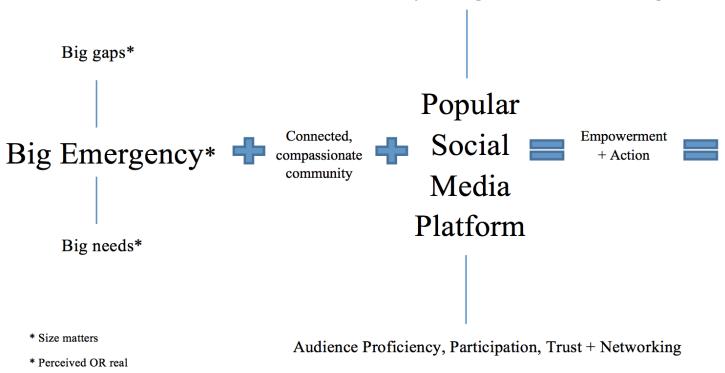
Some key points

- Context important
- Info handled in v. different way to traditional way
- TASSIE FIRES we can he
- Decentralisation of the news. Issues with incongruence of messages
- User-generated/citizen journalist info critical. Use of positive influencers key
- Social media as a tool critical for broadcasting, monitoring, crowdsourcing and collaborating. Choose. Additional tool in multi-modal approach
- Need for change within emergency management: must be in social media space; preferably interactively. Key decision makers must 'get it'
- Volunteers are quite useful! They prefer to give direct donations, share info, offer support/praise, support fundraisers... They save you time and money
- Landscape of volunteering changing: new type of volunteer?
- Importance of skilled Admin and skilled Audience
- The role of a page like this in delivering psychological first aid
- Benefit of surge support: VOSTs

Model



Admin Proficiency, Participation, Trust + Networking



Functionality

A platform to share information

An arena for requesting help

A marketplace to offer help

Efficacy**

Real-world outcomes

** Efficacy is motivating: encourages more action from Admin and Audience

What is this? **Stories** I want to help I need help Before... Home VET Stuff Contact Mel

TASSIE FIRES we can help





Community driven response and recovery

What does that mean? Seeing a problem, coming up with a fast and safe solution... and going for it!

Community driven response and recovery

What does that mean? Seeing a problem, coming up with a fast and safe solution... and going for it!

TASSIE FIRES WE CAN HELP



Like You like this.

Tassie Fires - We Can Help



Tassie Fires - We Can Help Emergency bushfire warning for White Beach

http://www.fire.tas.gov.au/ Show? pageId=colCurrentBushfires

March 11 at 2:28pm



Tassie Fires - We Can Help A free BBQ and social gathering - it's on tomorrow night at the Dunalley Neighbourhood House!



Facebook social plugin

CONTACT MEL

Message me through the Facebook page

Email me

Call me 0438 330 998

EVENTS AND FUNDRAISERS

ALERT TAS WEBSITE

This is the Tasmanian Government Emergency Website.



Go here now!

GOOGLE CRISIS MAPPING

See what is happening in your area NOW

NEARBY SAFER PLACES

What are these?

Where are they? None right now!

936 ABC HOBART



936 ABC Hobart f Like 9,225



936 ABC Hobart

Tonight on Statewide Evenings with Helen Shield we want to know this - what were your earliest adventures at growing plants?



HELP

I WANT TO HELP NOW

I NEED HELP NOW

TASMANIA FIRE SERVICE



Fire Danger Rating How "risky" is the weather? If a fire starts, how bad could it get?



Current Fires What fires are burning now? Where, how bad are they, do you need to be on alert?

EVACUATION CENTRES

None right now!

LATEST STORY

The Bushfire Inquiry 2013

If you are interested in the findings of the Inquiry, which were released on October 15th 2013, check out this story! Read more

Posted Wednesday, 23 October 2013, 01.00 pm

RED CROSS DONATIONS

Donating money is hands-down the BEST way you can help. I know it isn't the most "exciting" - but it is the BEST way you can help.

EVENTS AND FUNDRAISERS

Yes! Get on board!!

Check our Facebook album for posters of events and fundraisers.

Got an event I don't know about? Please email me with the poster attached - it's gotta be a JPEG file.

Don't know how to make a JPEG? Go here...

Tasmania Fire Service

Tasmania Fire Service For more information please

Heating Fire Safety

select Publications

visit www.fire.tas.gov.au and

TASMANIA FIRE SERVICE

f Like 24,777



about an hour ago



936 ABC Hobart via ABC Northern Tasmania

Historian Nicholas Clements argues Tasmanians need a greater understanding of the

Facebook social plugin

Other ways to donate money

powerof humanity

- but it is the BEST way you can help.



Tasmania Police f Like 46,272



Tasmania Police

Targa Tasmania 2014

Targa Tasmania begins with a

"Targa is always popular with spectators of all ages and we encourage them to enjoy the event, but to also be mindful of the dangers that can be associated with any motorsport event," said

TASMANIA POLICE





prologue at Kavene and George Town, tomorrow, Tuesday 6 May 2014, followed by different stages of the event being held around the state until Sunday, when it finishes in Hobart on Sunday 11 May 2014.

Inspector Shane LeFevre....

Facebook social plugin

A BIT OF RESEARCH ON THE SIDE

Bushfire preparedness, crisis communication, disaster resilience, spontaneous volunteerism, emergency management, social media, empowerment, trust, leadership, active participation, community competence... Do you work or do research in these areas? I'd like to hear from you!

SES TASMANIA





SES Tasmania f Like 6,243



SES Tasmania

A Severe Weather Warning is current for Damaging Surf for the South East Tasmania forecast district.

http://www.bom.gov.au/tas/ warnings/severe.shtml



10 hours ago

Facebook social plugin

10 hours ago

Tasmania Fire Service

KEEPING INFORMED DURING BUSHFIRES

ADC Dedic in the national Francisco.

DODGES FERRY FIRE BRIGADE



Dodges Ferry Fire Brigade

f Like 4,899

Melanie Irons

<u>www.tassiefireswecanhelp.com</u>

Facebook:

"Tassie Fires – We Can Help"

melanie.irons@utas.edu.au

- ABC Australian Story:
 - "Irons in the Fire"





