

USING PARTICIPATORY MAPPING IN BUSHFIRE PREPARATION:

HARNESSING LOCAL KNOWLEDGE AND INCREASING COMMUNITY CONNECTEDNESS

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VOLUNTEERED GEOGRAPHIC INFORMATION (VGI)



Graphic: Ushahidi Crowdmap

VOLUNTEERED GEOGRAPHIC INFORMATION



VGI IN DISASTER MANAGEMENT

VGI & BUSHFIRE PREPARATION IN TASMANIA







APPLYING VGI: PARTICIPATORY MAPPING



PARTICIPATORY MAPPING





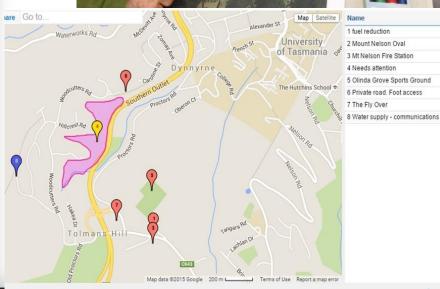


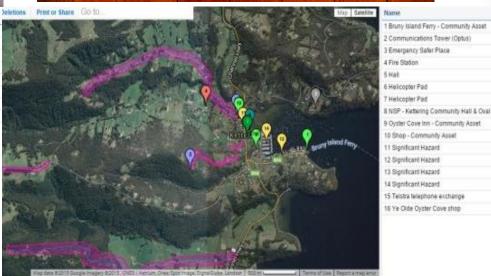


APPLYING VGI: PARTICIPATORY MAPPING



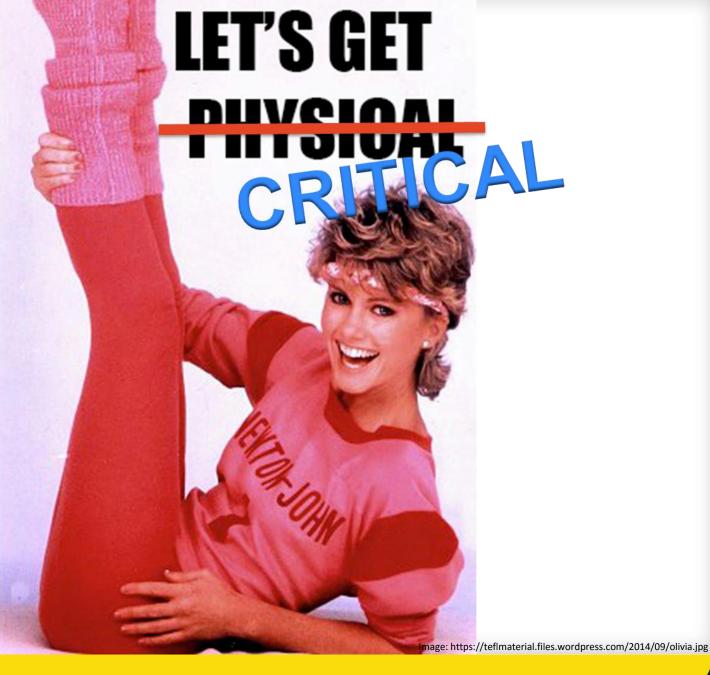






APPLYING VGI: PARTICIPATORY MAPPING





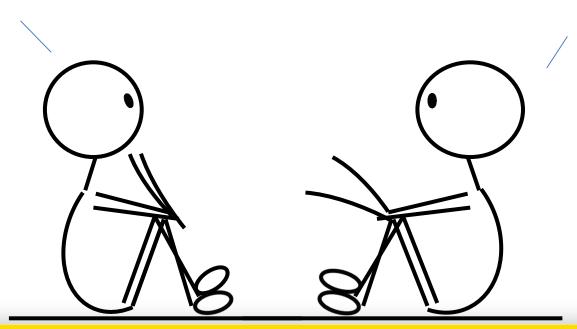
WAYS FORWARD

Hey, what is Citizen Science?

Um, a way to get volunteers to collect data.

Then why should I care?

It is a way to support fundamental rights for people to access methods of knowledge production.



CO/ Caren Cooper, @CoopSciScoop

CONCLUSION

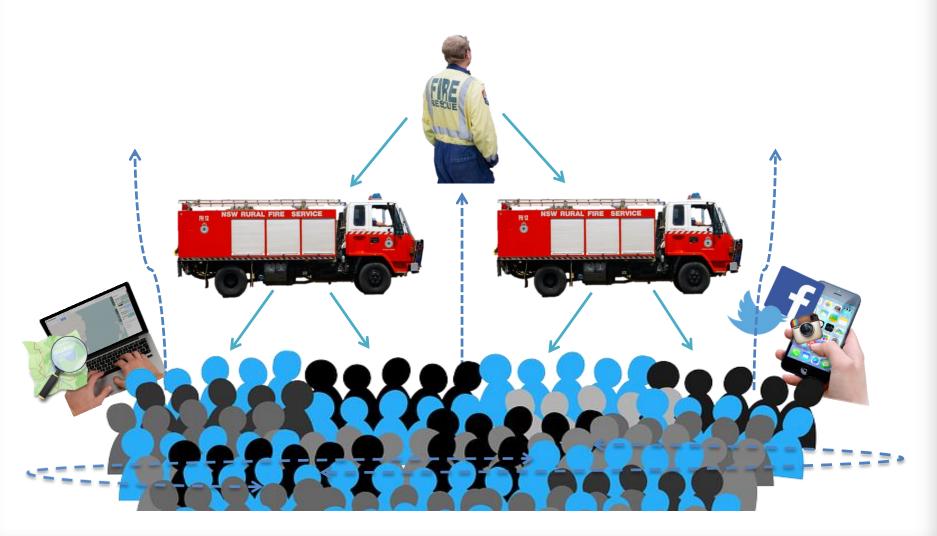


Image credits: NZ Defence Force (Wiki); NSWRFS – Forest Hill Pumper – adapted from Bidgee (Wiki)

THANK YOU

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Relevant publications

Peer reviewed journal articles:

Haworth, B., Whittaker, J. & Bruce, E. (accepted subject to revisions). Assessing the application and value of VGI and participatory mapping for community bushfire preparation. Applied Geography.

Haworth, B. (2016). Emergency management perspectives on volunteered geographic information: Opportunities, challenges and change. Computers, Environment and Urban Systems 57: 189-198.

Haworth, B., Bruce, E. and Middleton, P. (2015). Emerging technologies for risk reduction: Assessing the potential use of social media and VGI for increasing community engagement in bushfire preparation. *Australian Journal of Emergency Management* 30(3): 36-41.

Haworth, B. & Bruce, E. (2015). A review of volunteered geographic information for disaster management. Geography Compass 9(5): 237-250.

Posters:

Haworth, B., Whittaker, J. & Bruce, E. (2016). Using participatory mapping to increase community engagement in bushfire preparation. *AFAC/BNHCRC annual conference, Brisbane*, August 2016.

Haworth, B. (2015). Power to the people: The implications of volunteered geographic information for official emergency management. *AFAC/BNHCRC annual conference*, Adelaide, September 2015.

Haworth, B., Bruce, E. & Whittaker, J. (2014). Non-traditional volunteering: Volunteered geographic information (VGI) and bushfire preparation. *AFAC/BNHCRC annual conference*, Wellington, September 2014.