

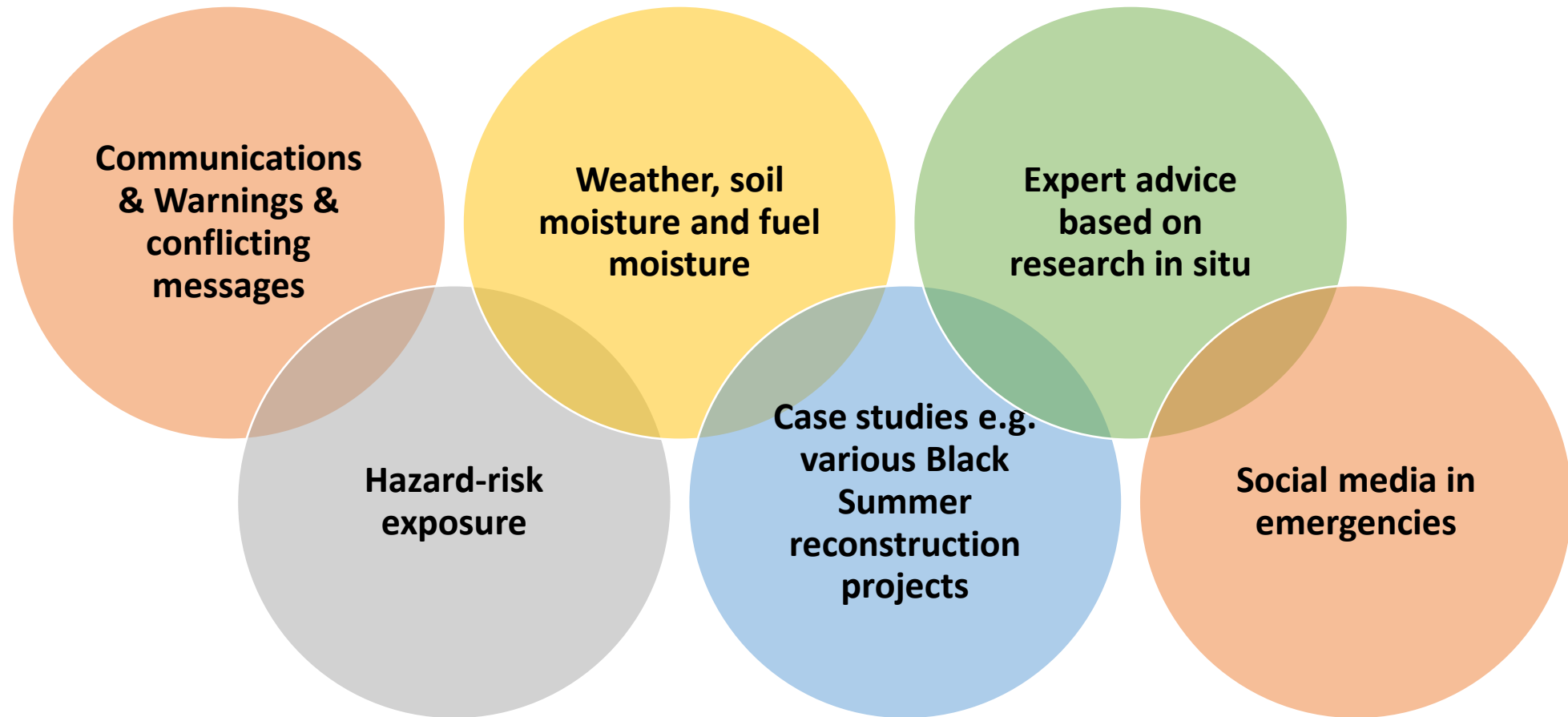
Natural Hazards Research Australia

Situational awareness Research Context

Desiree Beekharry

19 August 2021 | 11am AEST

Research areas



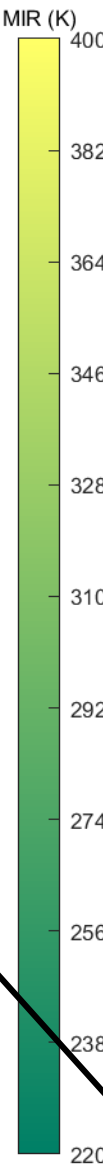
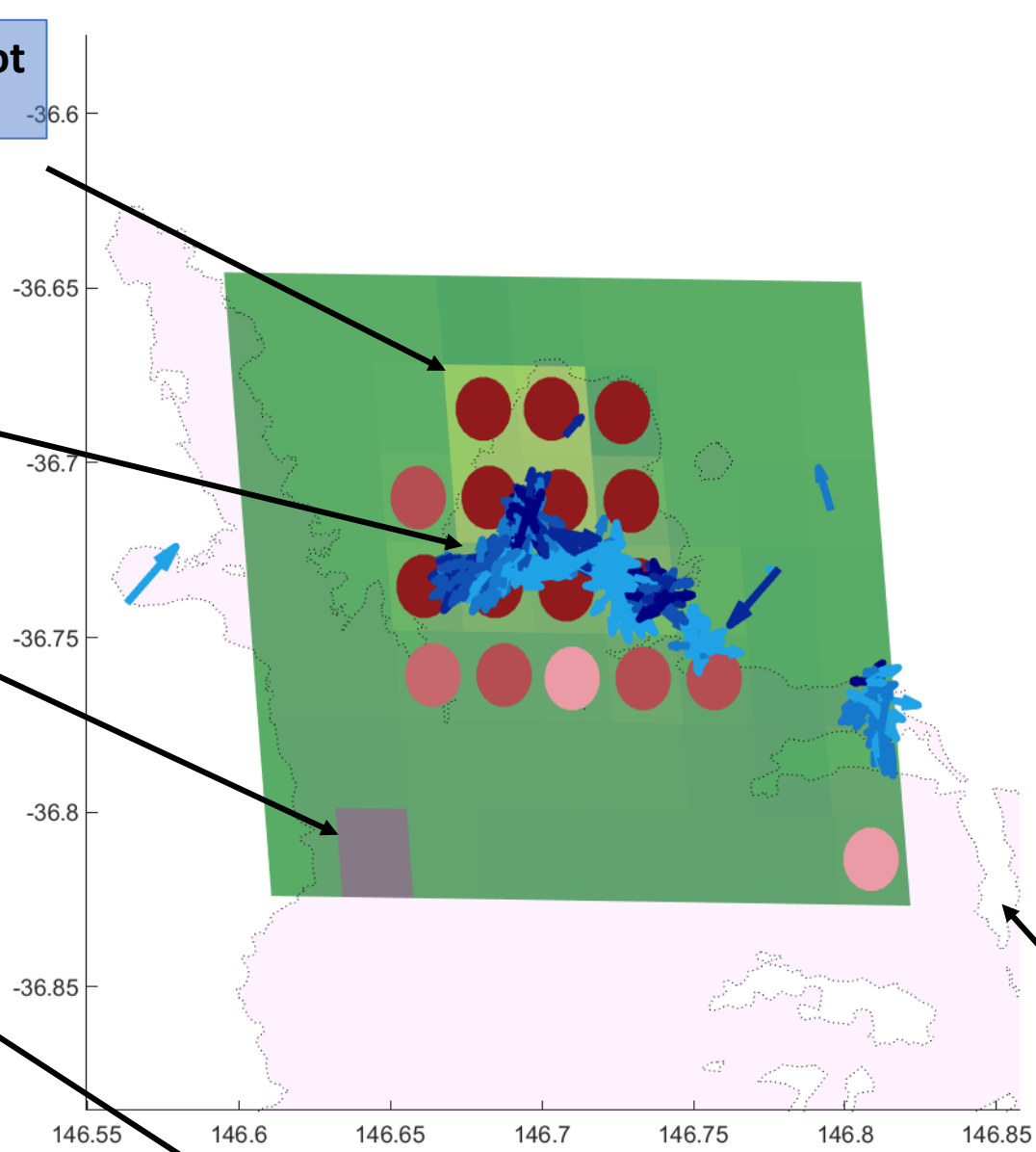
Study Case 1 - 16/01/2020 17:00 UTC

Himawari-8 hotspot
Colored by age

Aerial suppression Vector
Exaggerated 15x, max 2km
Colored by age

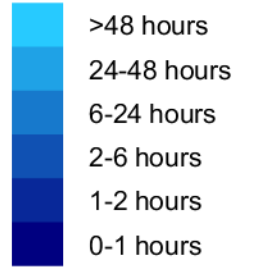
Pixel obscuration
grey: obscured

Time slider
Time (black line)
Suppression (blue circle)
Hotspot (red circle)
Pixel obscuration (grey circle)

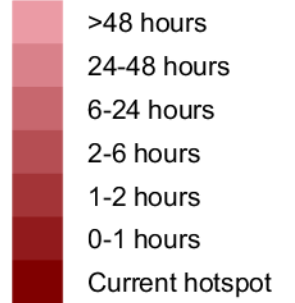


MIR reflectance

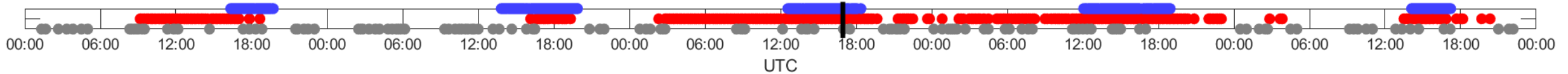
Suppression Legend



Hotspot Legend



Fire boundary





Velocity-driven lateral spread



WA



Coupled fire-atmosphere

Community awareness and response

LOSING THE FAMILIAR

Knowing about the Fire

Knowing about the fire meant gaining an awareness of the bushfire.

Comprehending the gravity meant reinterpreting, assessing and reassessing what was happening and determining or realizing the seriousness of the bushfire threat.

Comprehending the Gravity

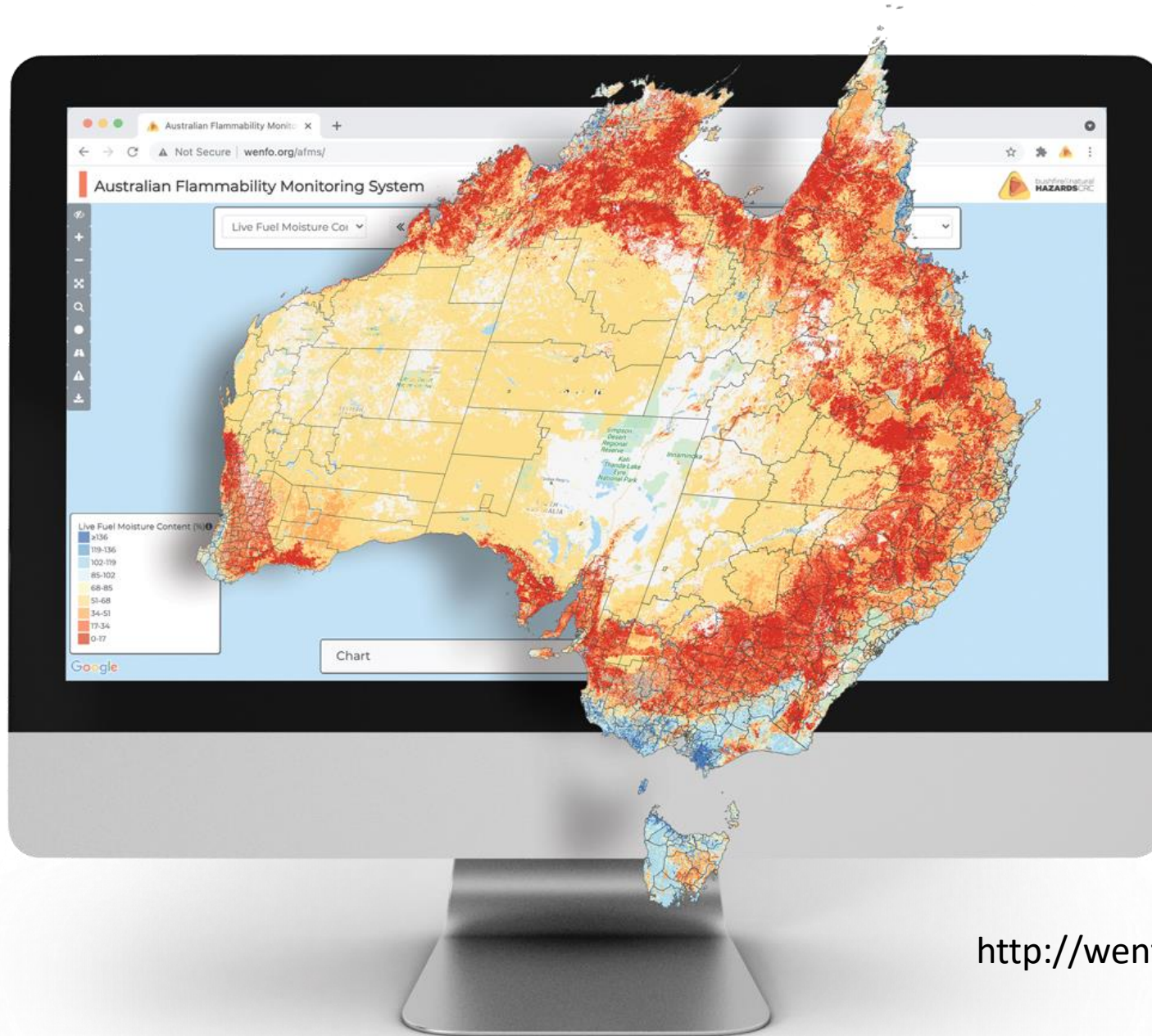
Safeguarding Responsibilities

Safeguarding responsibilities meant aligning actions with individual knowledge, beliefs and values and prioritising what was important or significant.

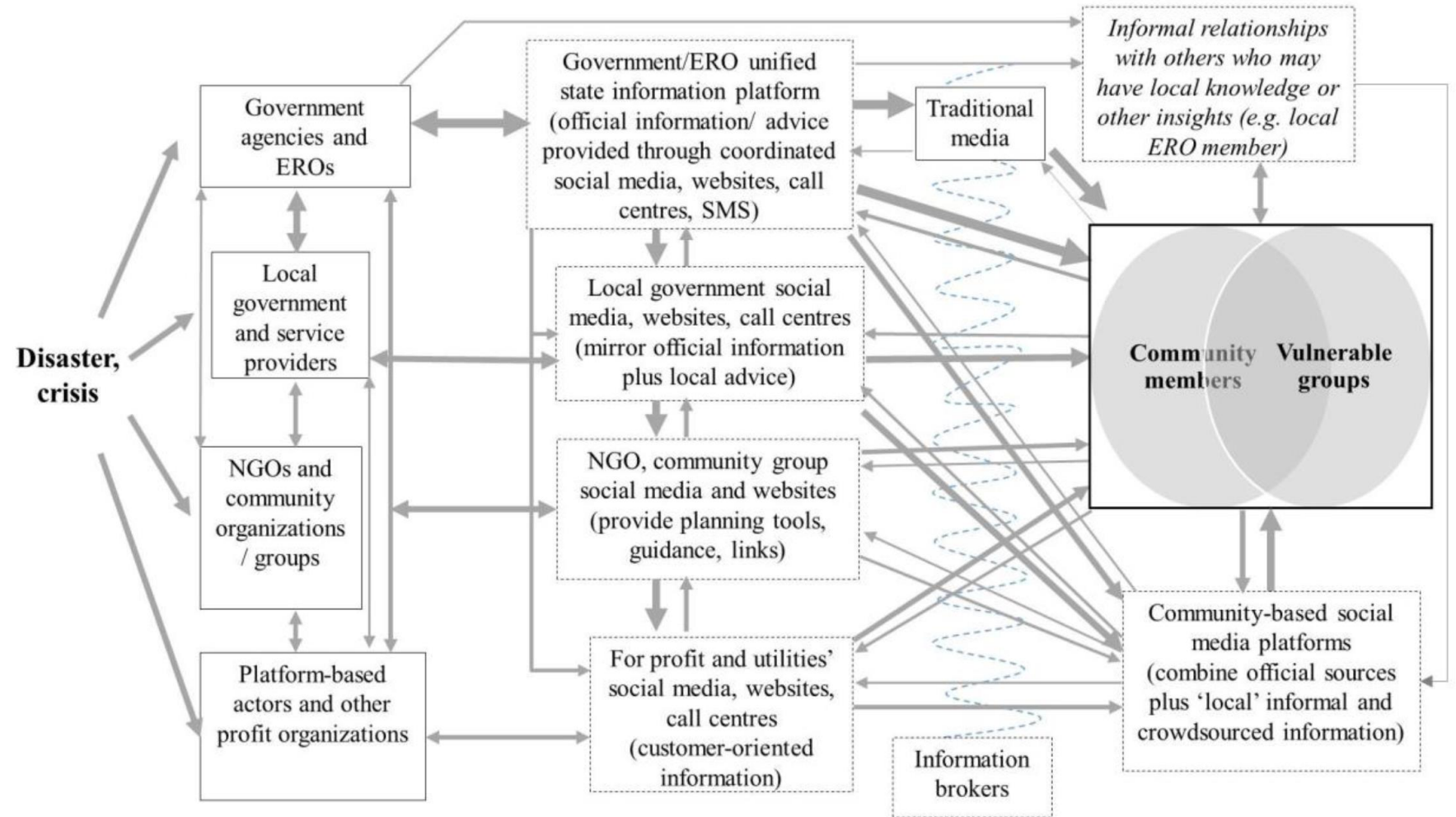
Locating family and others meant knowing that they were accounted for and safe. Tempering the worry, was liberating. Relationships.

Locating Family and others

<https://www.bnhcrc.com.au/research/phd-communityvolunteering>



Social media to engage vulnerable people in emergencies



<https://scholarspace.manoa.hawaii.edu/handle/10125/59736>
<https://www.bnhcrc.com.au/publications/biblio/bnh-6412>

