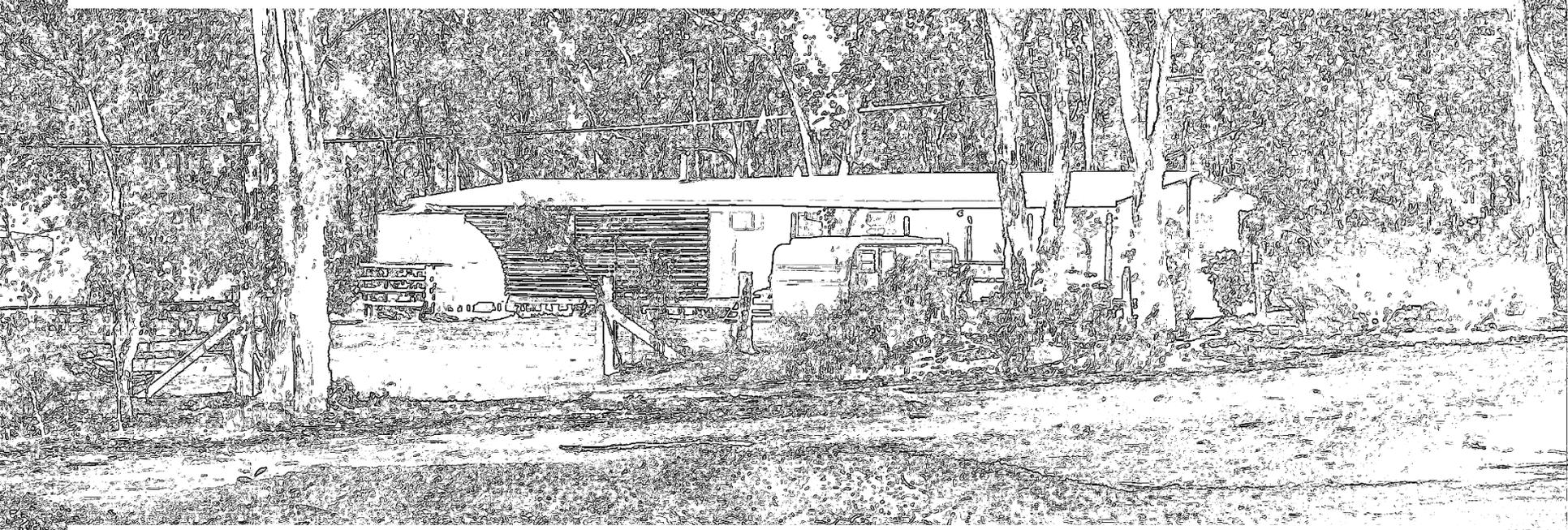


Unpacking the complexities in defining resilience: Relating Tarnagulla community's definition to those within relevant literature



By



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Linda Kennedy, TAEG



There are approximately 1700 small towns across the country representing 2.3 million people (9.7% of Australia's population).

A lack of holistic framing of resilience and support for its implementation means they are all at risk of disappearing (or similar).

This research project looks at how this problem can be addressed.



This is Tarnagulla



Source: Linda Kennedy

Like many other rural towns around Australia, Tarnagulla faces many 'general' and 'climate-related' challenges.



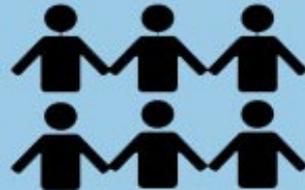
Source: Google maps

GENERAL CHALLENGES

POPULATION

133

People in 2016



37

Families



GENDER



57%

Male



43%

Female

COUNTRY OF BIRTH



9.1%

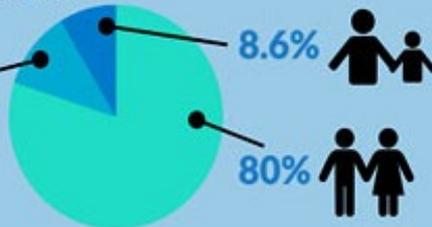
6.6% England

2.5% Netherlands

HOUSEHOLD TYPES



11.4%



TENURE

52.1%
Owned outright



RELIGION



21.6% Anglican

9.6% Catholic

4.8% Uniting Church

44.8% No Religion, so described

13.6% Not stated

LANGUAGE

English

89.8%

GENERAL CHALLENGES

DWELLINGS

112

Dwellings in 2016



EMPLOYMENT



OCCUPATION TYPES



1/3
Population is occupied in proving care

- 19.5% Provided care for children
- 14.9% Assisted family members or others due to a disability, long-term illness or problems related to old age



DILAPIDATED HOMES

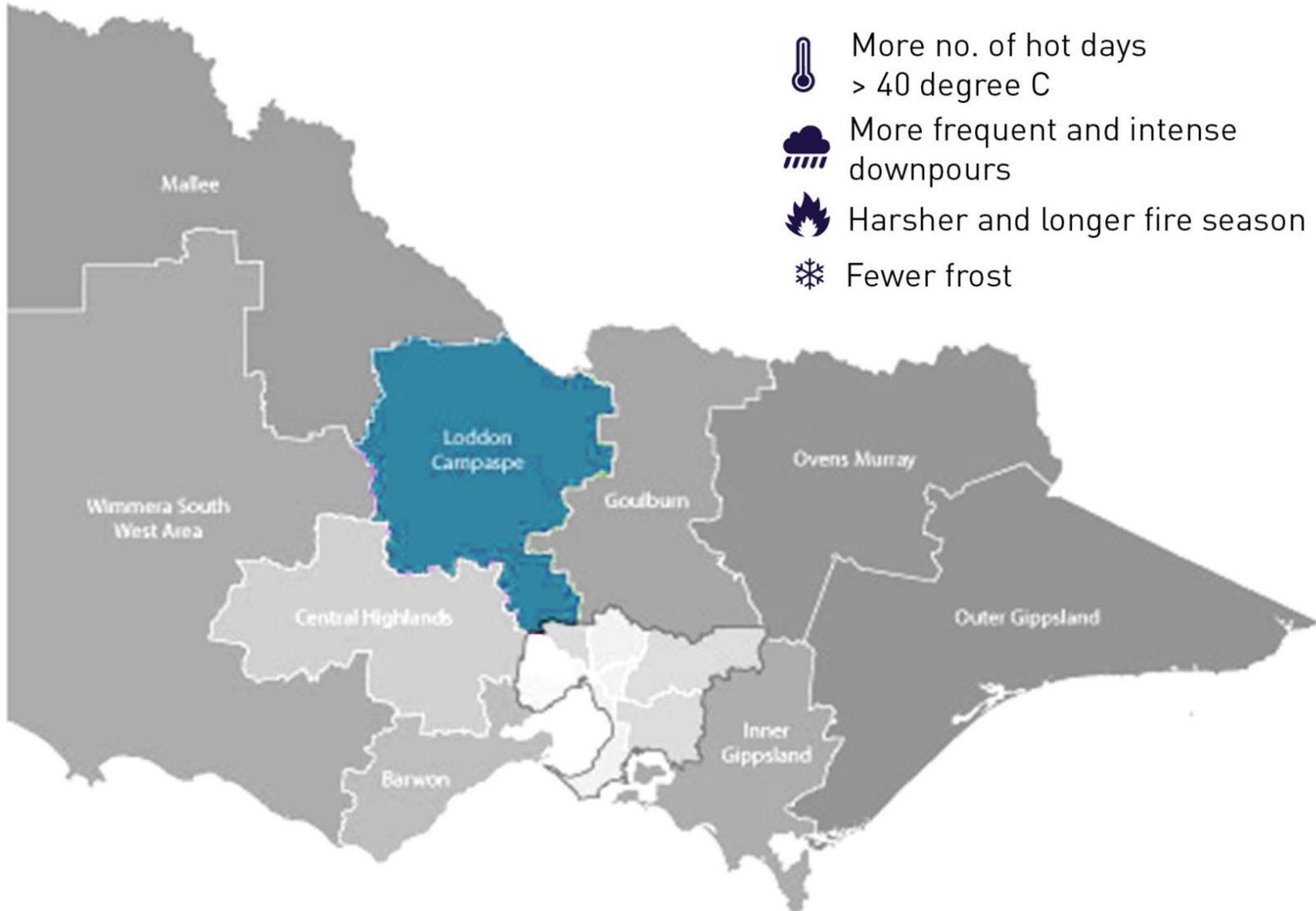
Source: Author



LOCAL BUSINESS CLOSURE

Source: Linda Kennedy

CLIMATE-RELATED CHALLENGES



Source: Author (adapted from education.vic.gov.au and Loddon Shire Regional Adaptation Snapshot)



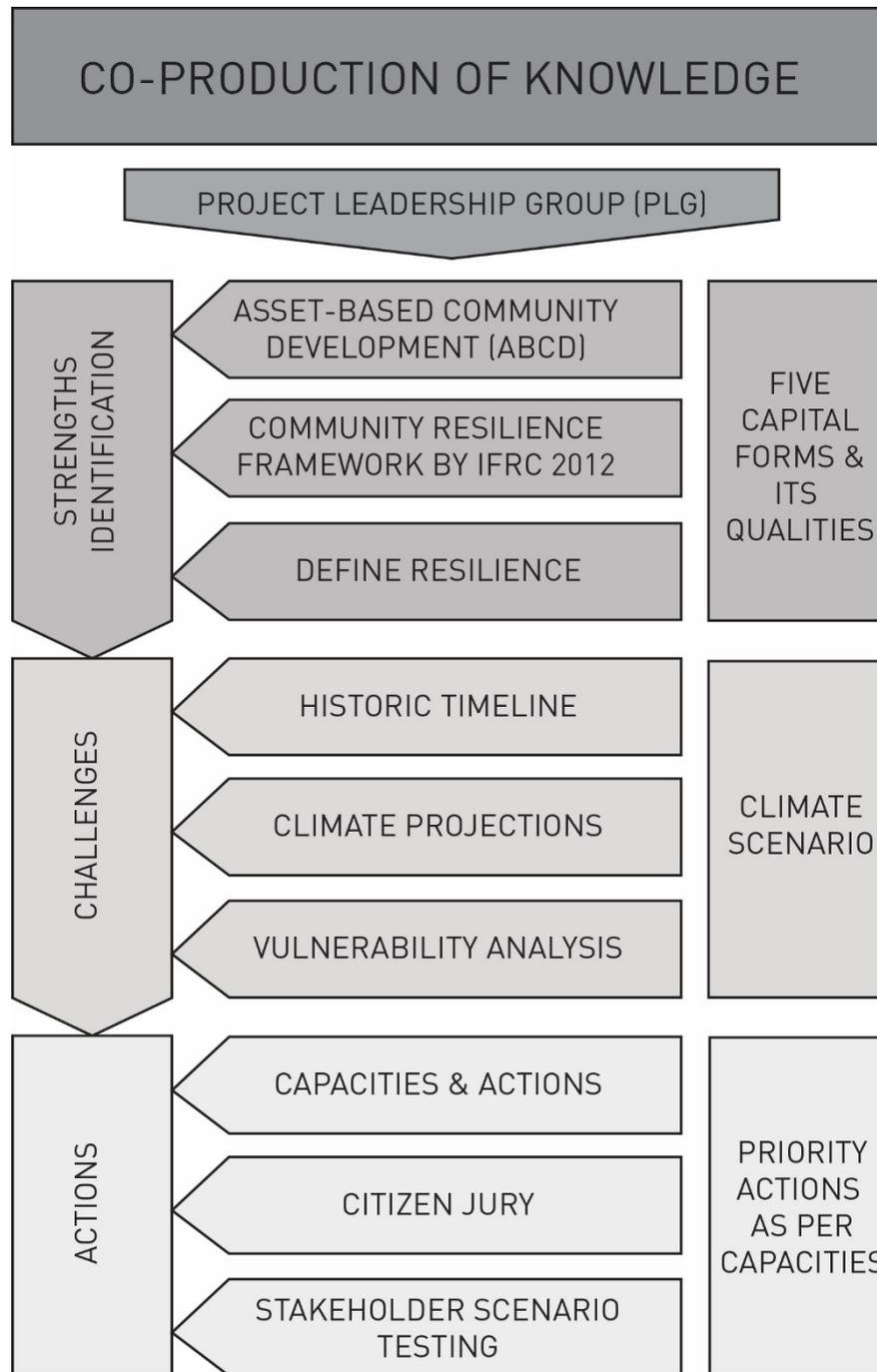
PROXIMITY TO BUSH

Source: Author



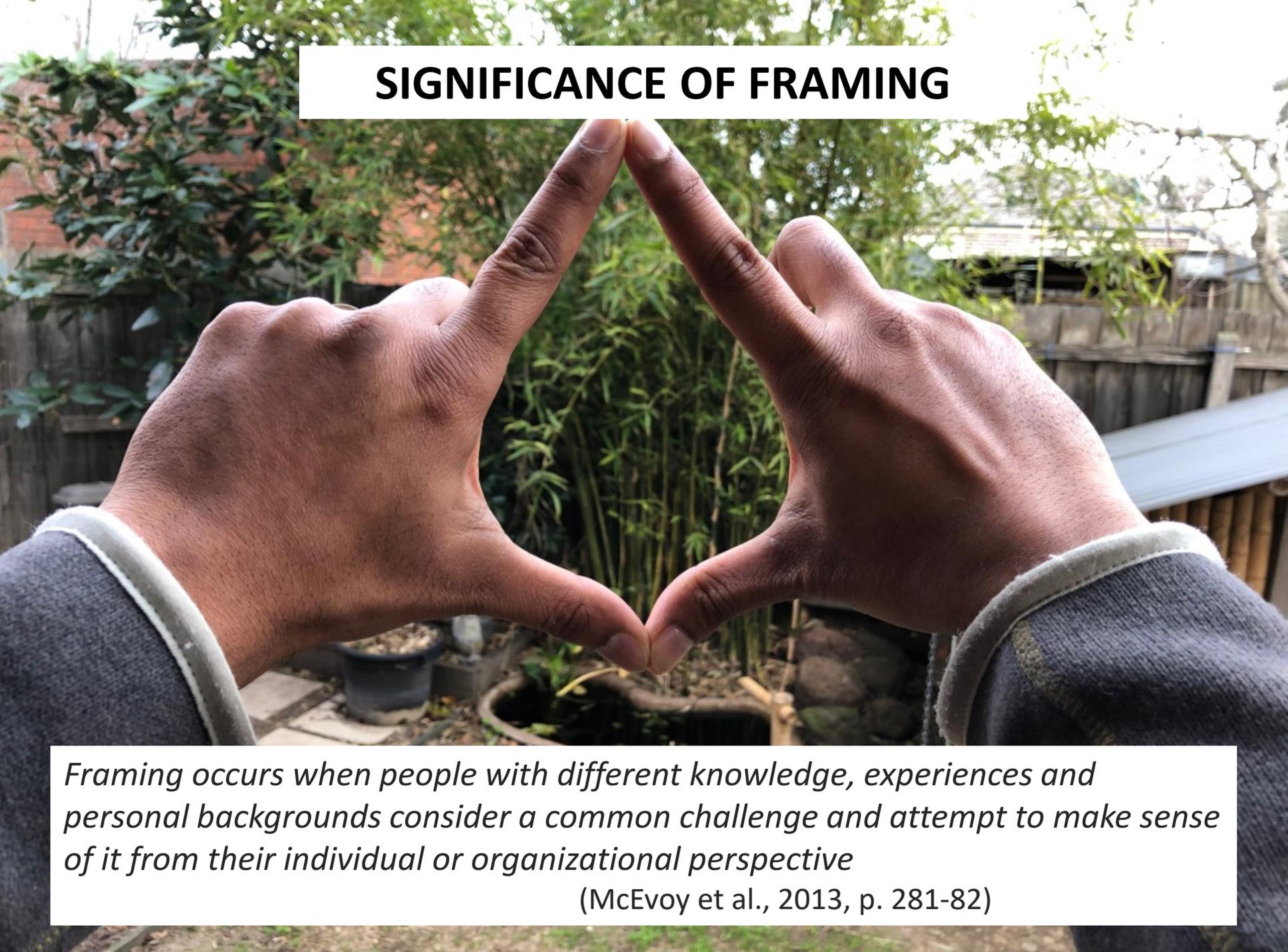
Source: Linda Kennedy

RESEARCH METHOD



Source: Author

SIGNIFICANCE OF FRAMING

A photograph showing two hands from different people, one on the left and one on the right, with their index and thumb fingers touching to form a triangular frame. The hands are positioned in the foreground, and the background is a blurred outdoor garden scene with green plants and a wooden fence. The lighting is natural, suggesting daylight.

Framing occurs when people with different knowledge, experiences and personal backgrounds consider a common challenge and attempt to make sense of it from their individual or organizational perspective

(McEvoy et al., 2013, p. 281-82)

CONCEPTUAL FRAMING OF RESILIENCE

Framing of resilience	Typology based on response	'of who or what'	State and scale	'to what'	'when'
Engineering or Hard science	To resist change	'Hard' assets	One stable state	Hazards	Post-event
	Maintenance	Physical assets	Linear	Rapid onset-disasters	Reactive
	Robust				Responsive
	Well-located				
Social Science	Change at margins	'Soft' assets	Multiple stable states	Disaster	Pre-& post-event
Ecosystem; Natural science	Redundant	Human asset e.g. vulnerable people	Non-linear	Climate extremes	Anticipatory
	Diverse	Social asset			
	System memory	Natural asset e.g. species			
Socio-ecological systems (SES)	Radical change	'hard' and 'soft' asset interactions	Context specific	General challenges	On-going
	Learn, adapt		Non-linear	Disasters	Adaptive
	Transform		Cross-scale/ nested scale dynamic interactions	Climate risk	Proactive
	Self-organize				
	Resourceful		(feedback loops)		

Source: Author

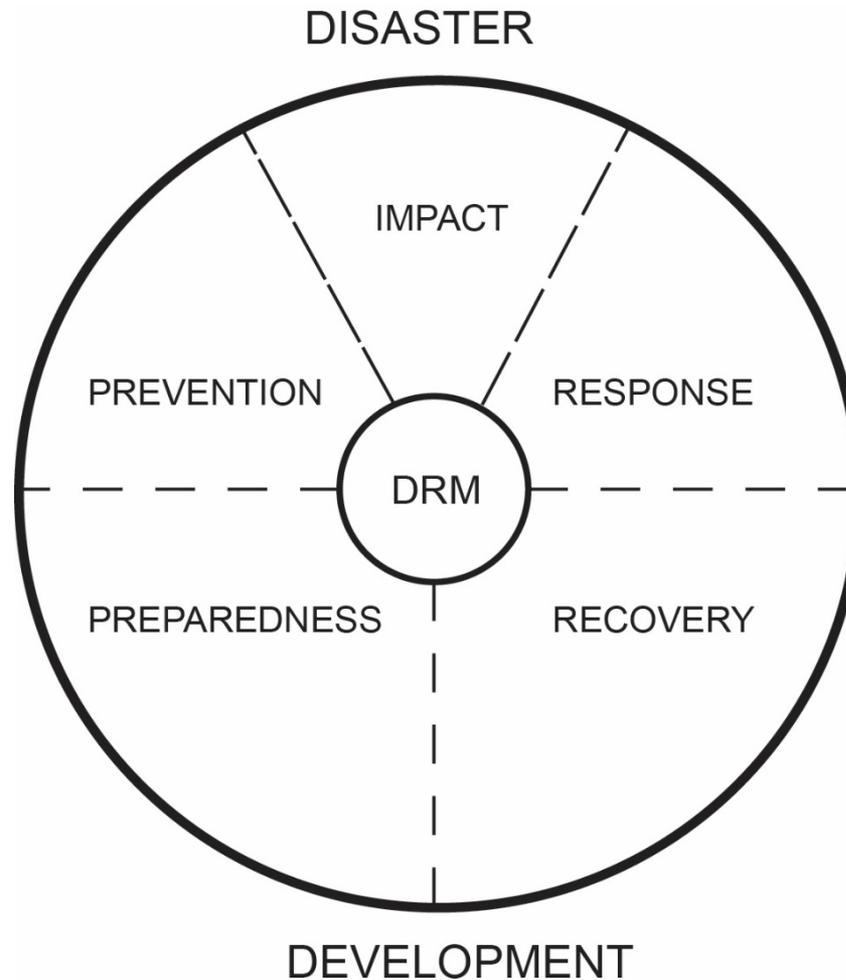
DEFINITION OF RESILIENCE IN LITERATURE

The ability of a system, community or society exposed to hazards to resist, absorb, accommodate to and recover from the effects of a hazard in a timely and efficient manner, including through the preservation and restoration of its essential basic structures and functions (UNISDR 2017).



Figure 2: A conceptual framework for community resilience

OPERATIONAL FRAMING OF RESILIENCE

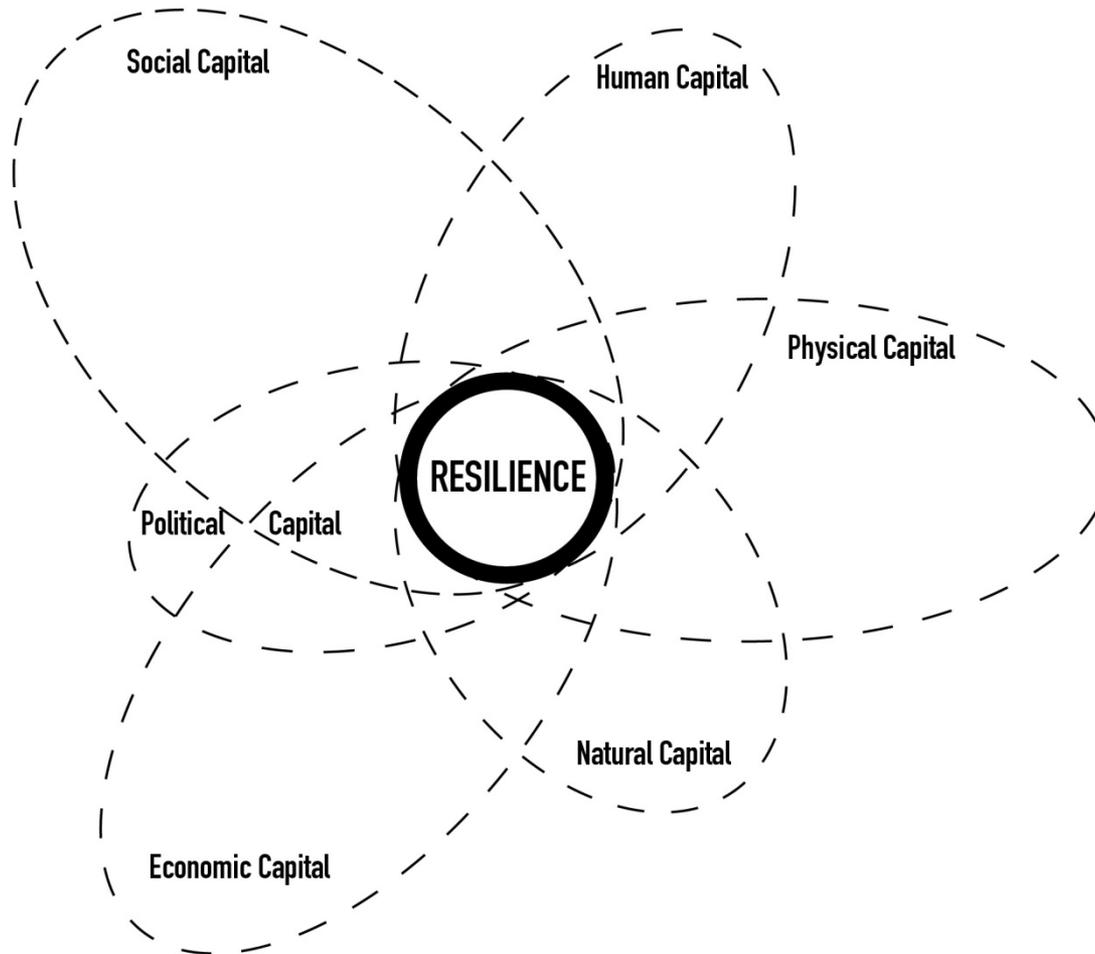


TARNAGULLA COMMUNITY'S FRAMING OF RESILIENCE CONCEPT

Resilience	Description	% of Respondents
Meaning and attributes of resilience (how)	Well-functioning	40%
	Adaptable, to manage unforeseen situations, recover, bounce back, sustain)	90%
	To transform/ Renew/ Long term/ Thrive/ Adapt	100%
'to what'	Any expected or unexpected scenario/ unknown challenges	80%
'when'	Continuous - During times of need and times of prosperity	80%
Scale and state	Multiple scales (individual, community, town and regional)	90%
'of who or what'	Social asset: Strong, trusting, informed and open-minded community, collective action	100%
	Physical asset	80%
	Economic asset	80%
	Natural asset	20%
	Human asset (Figure 3)	20%

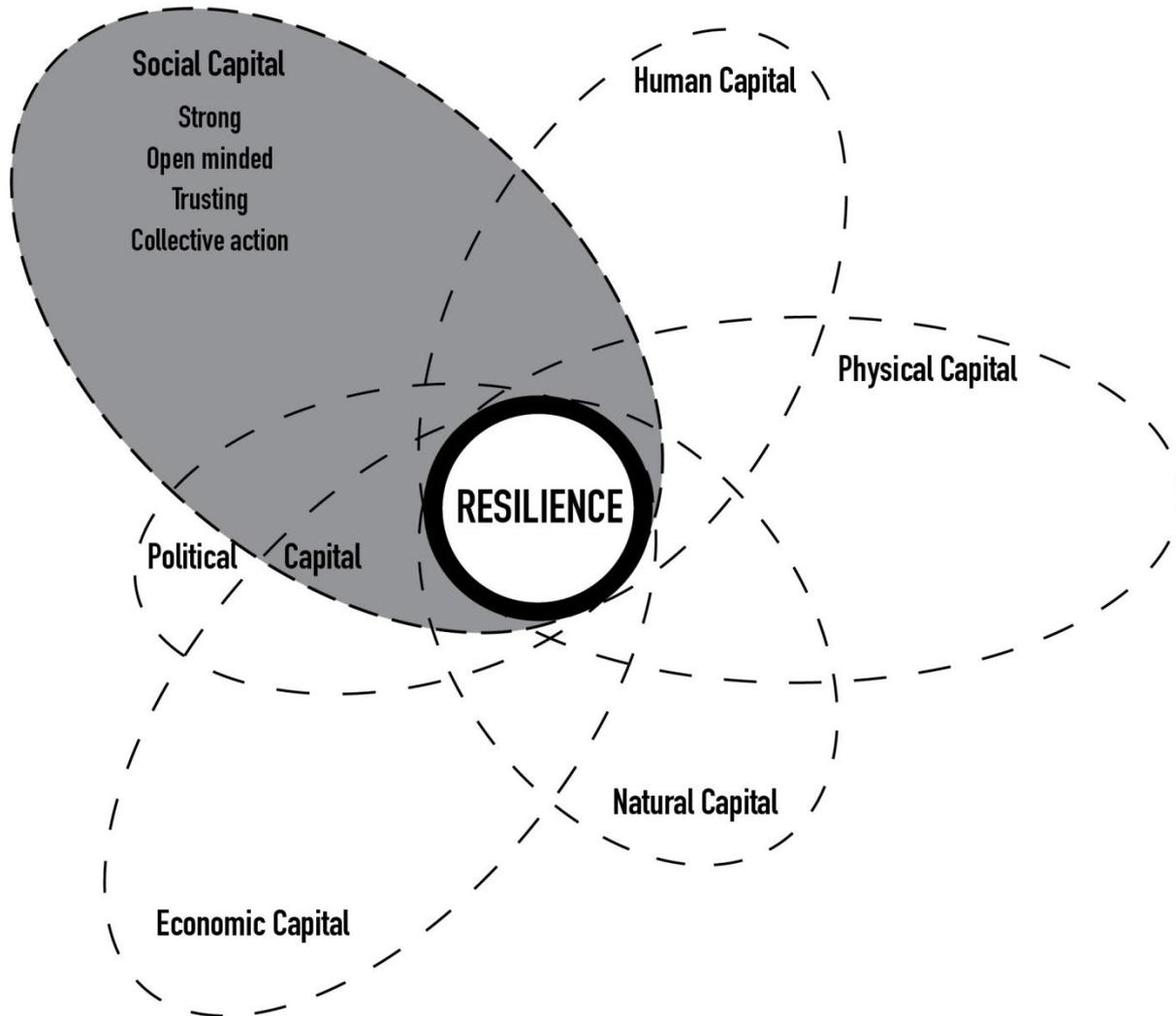
TARNAGULLA COMMUNITY'S DEFINITION

Resilience 'of who and what?'



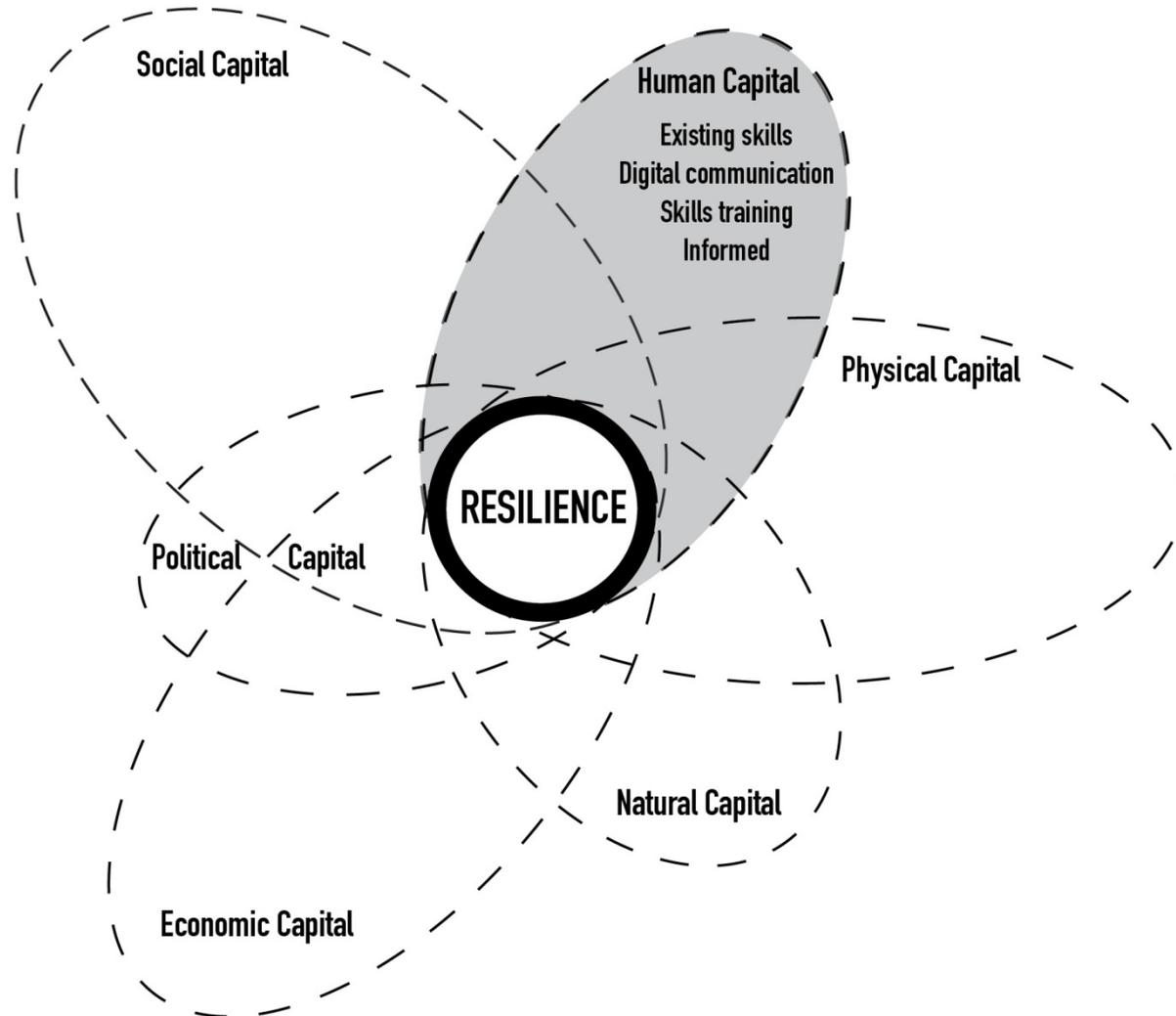
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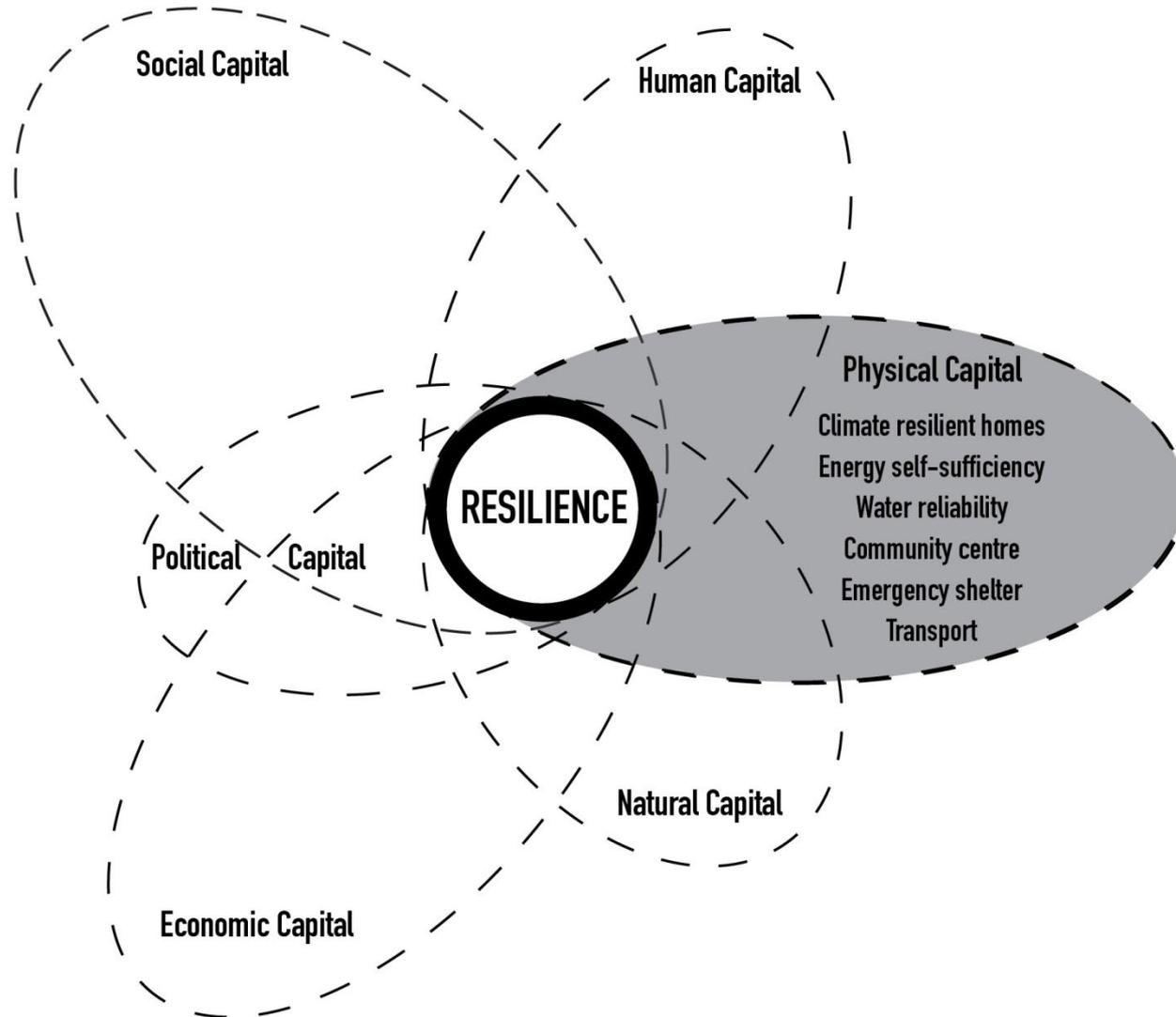
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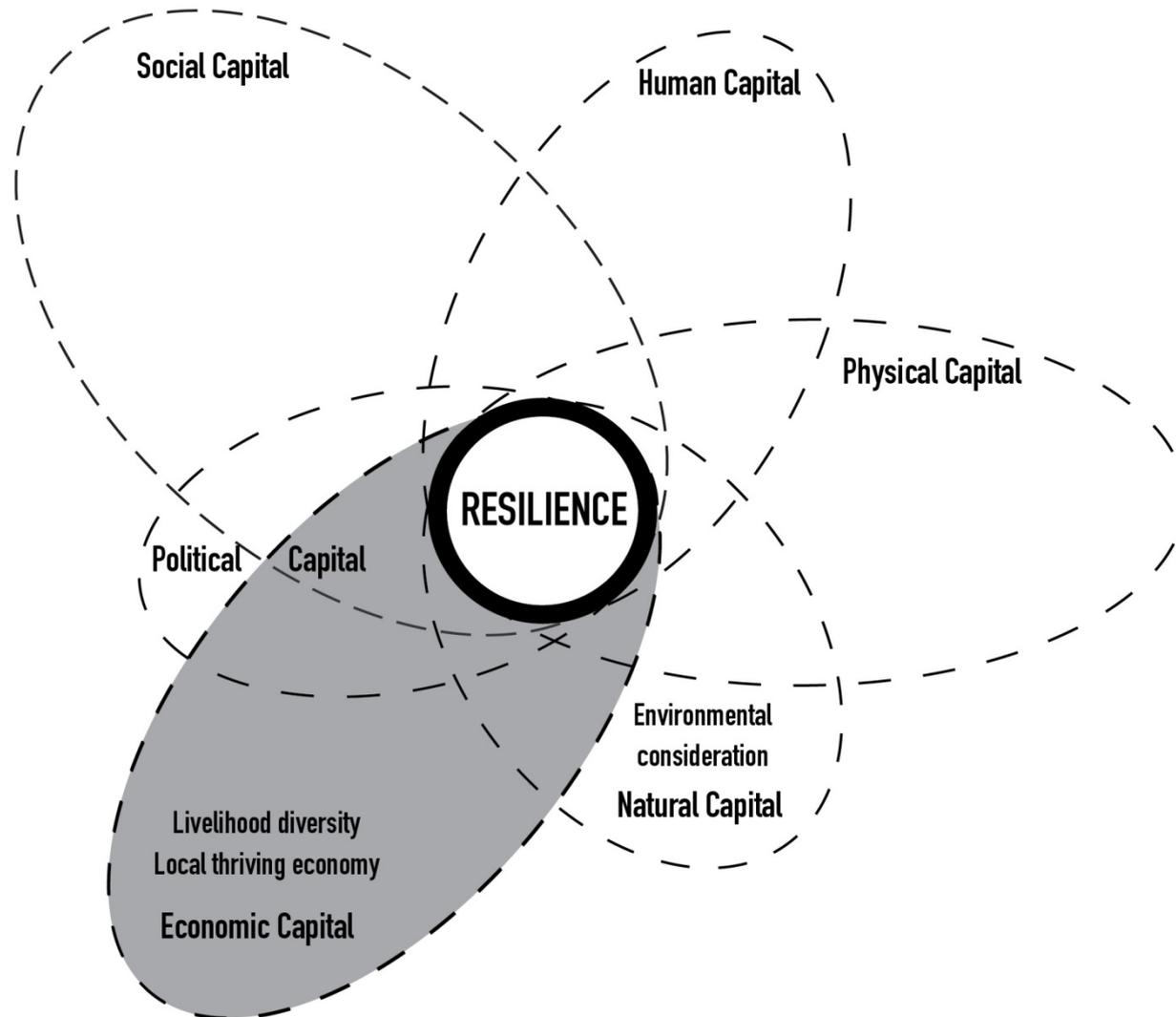
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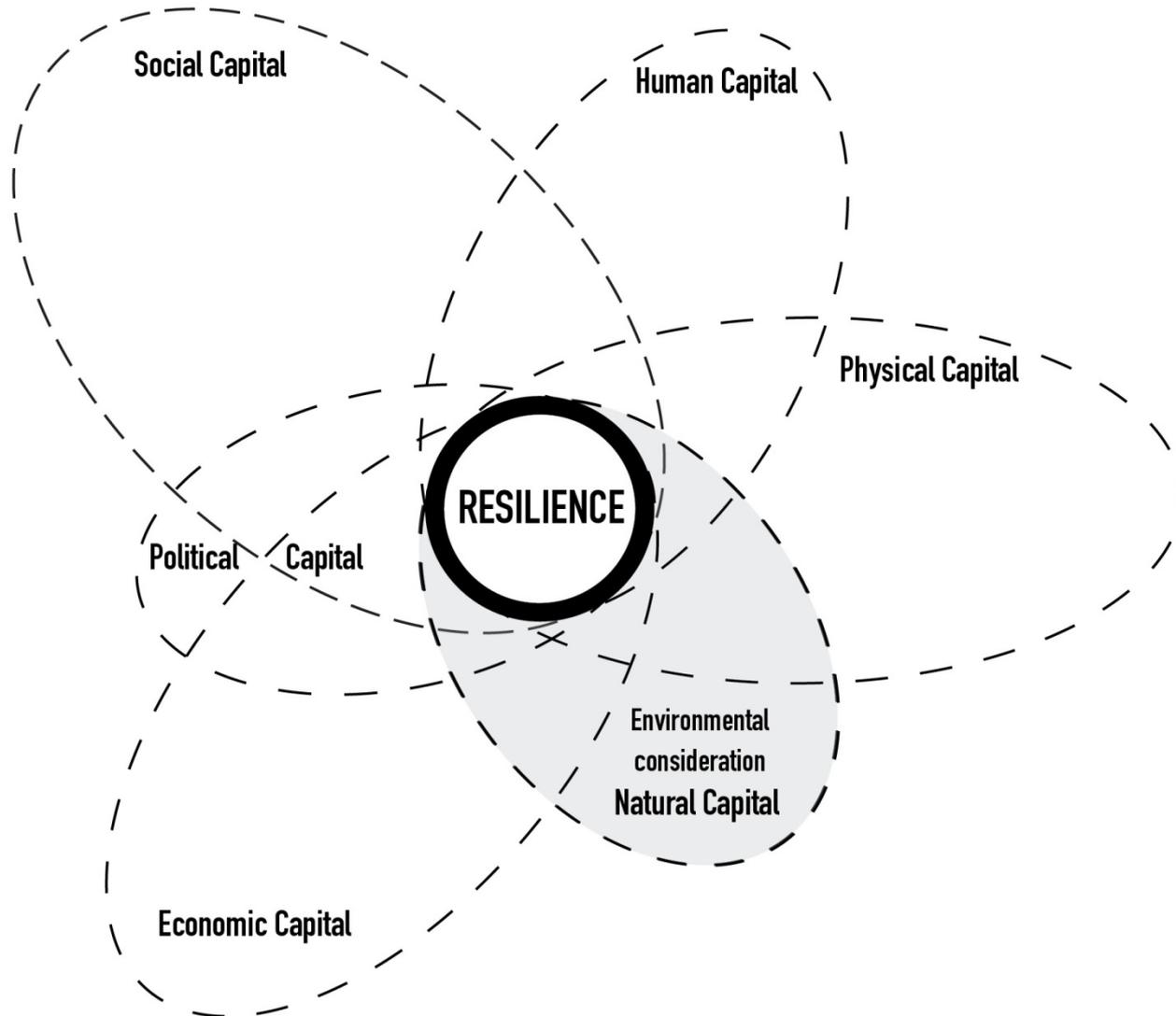
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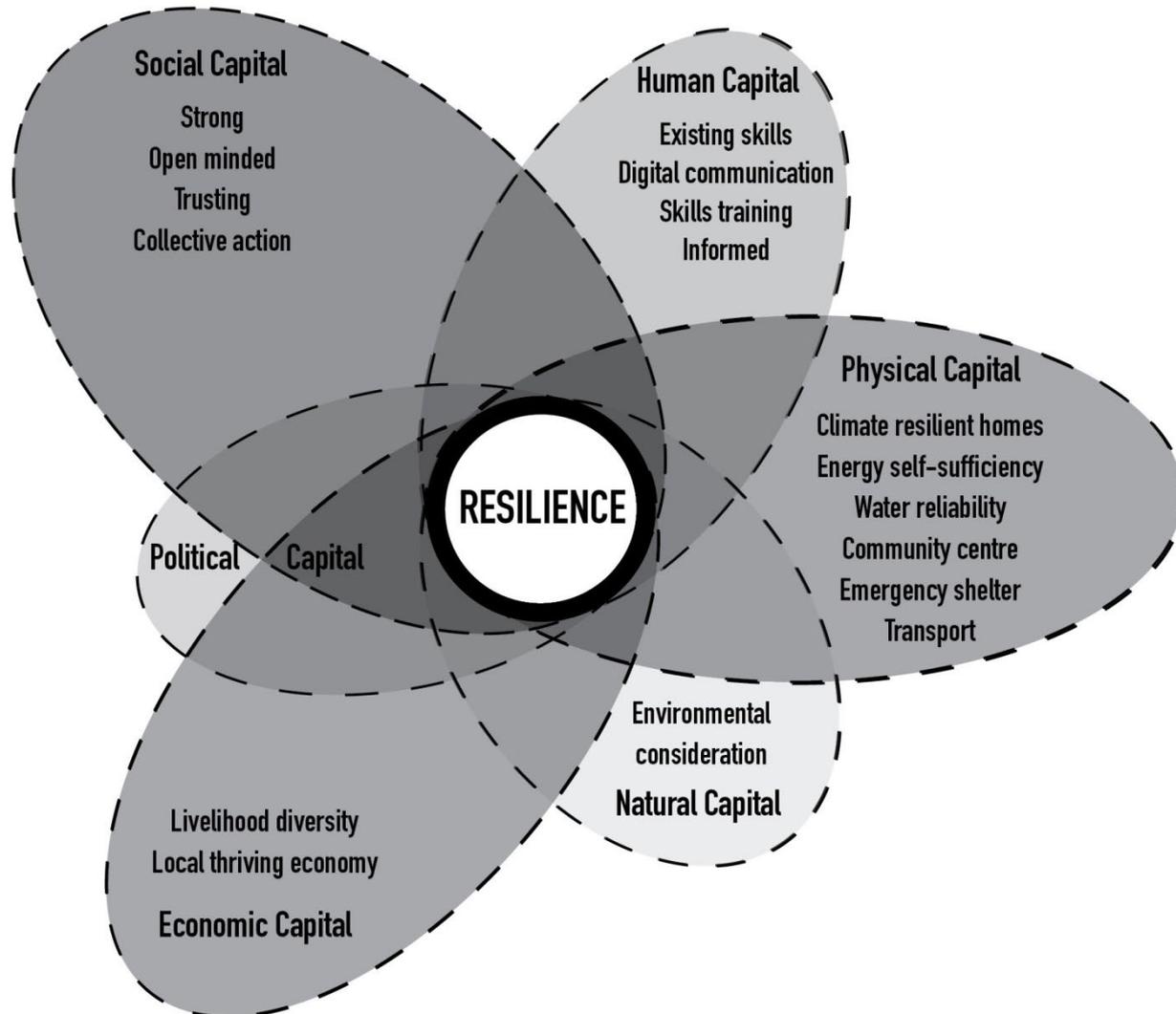
TARNAGULLA COMMUNITY'S DEFINITION

Resilience 'of who and what?'



TARNAGULLA COMMUNITY'S DEFINITION

Resilience 'of who and what?'



THE REALITY – A MISMATCH IN FRAMING

A mismatch in framing of resilience at community level and operational level is evident. What is needed is:

- A holistic framing of resilience at community and operational level
- Government support to communities in implementing radical and innovative transformative changes
- One-off or short-term support is not enough. Community needs long-term continued support
- Enabling political voice to community by strengthening relationships between government authorities, emergency/risk management stakeholders and rural communities

THE REALITY – A CALL FOR ACTION



This paper is a call for action from those in power to invest early to maximize return or to help Tarnagulla community help themselves, now, to thrive in future.