

INSIGHTS INTO TEMPORARY AND EMERGENCY ACCOMMODATION

Nikhila Madabhushi

Professor Mel Dodd

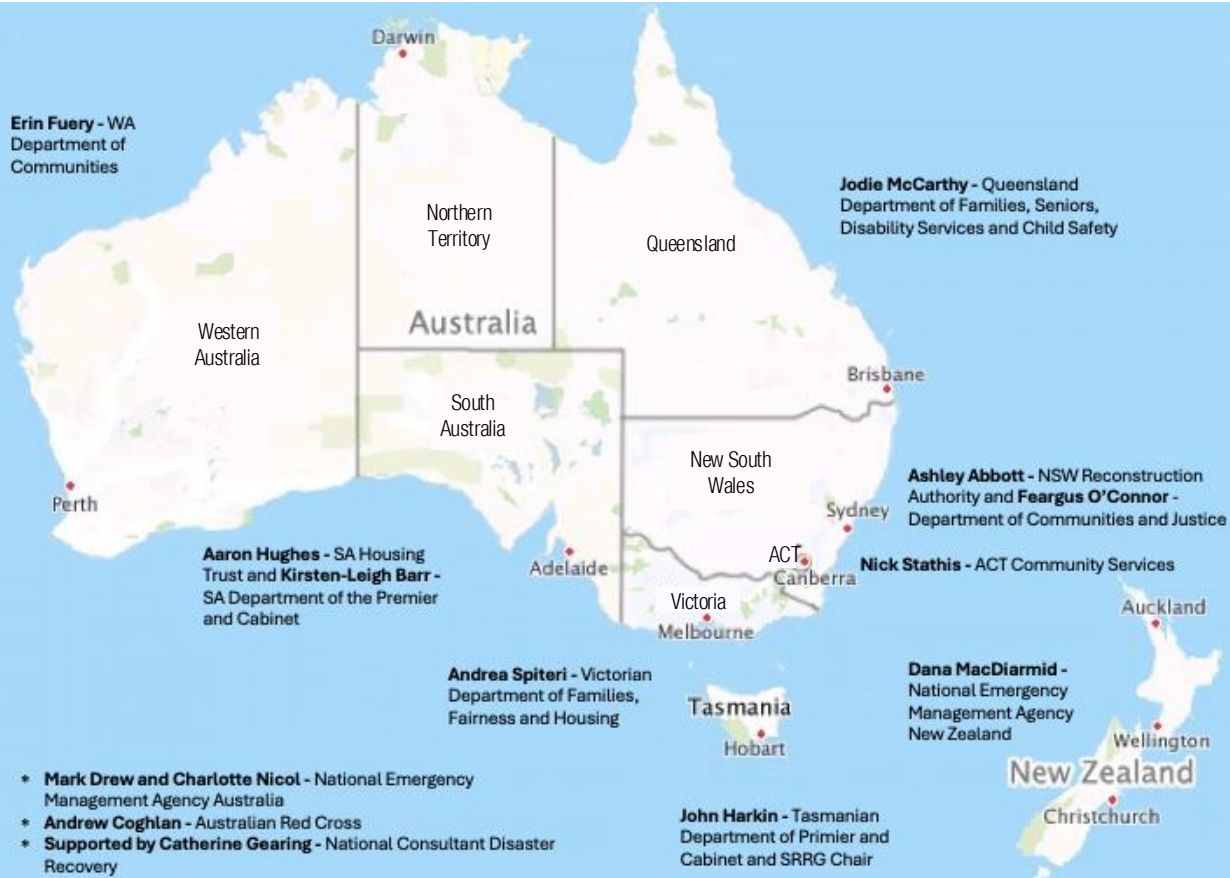
Catherine Gearing



MONASH
ART
DESIGN &
ARCHITECTURE



SOCIAL RECOVERY REFERENCE GROUP MEMBERS



Pod Village in Ballina following the Northern Rivers Floods
NSW 2022 (source: NSW Government)





Caravan village in Bloomfield following Tropical Cyclone Jasper 2024 (source: ABC News)

Pods on private property following the 2022 Central West
Floods NSW (source: NSW RA)



Humanihut pods in Fitzroy Valley following the 2023 floods
(source: Ngaarda Media)





Pods on private property following the 2022 Central West Floods NSW (source: NSW RA)

Temporary village in Wollongbar following the 2022
Northern Rivers Floods NSW (source: NSW RA)





Pods on private property following the 2022 Central West Floods NSW (source: NSW RA)



Minderoo Pods utilised on Kangaroo Island and Adelaide Hills SA during the 2019/20 Australian bushfires. (Source: NSW RA)

PROJECT TEAM



Name: Professor Mel Dodd

Project role: Principal Researcher/ Dean of Monash Art, Design and Architecture.

Expertise: Participatory processes, co-design, resilience, architectural design, action research, cross sectoral partnerships and social innovation.



Name: Bhiemie Williamson

Project role: Co-Investigator

Expertise: Indigenous disaster resilience, geography, Indigenist research, Indigenous governance and data sovereignty, trauma-informed research methods.



Name: Dr Duncan Maxwell

Project role: Co-Investigator/Director of the Future Building Initiative

Expertise: Industrialised building, design-led development/evaluation of construction platforms, modular and prefab building systems, assembly and delivery.



Name: Catherine Gearing

Project role: National Consultant SRRG/Technical Advisor (NSW Reconstruction Authority)

Expertise: Disaster Welfare and Recovery and Resilience teams. Large-scale recovery operations



Name: Nikhila Madabhushi

Project role: Co-lead / Research Fellow

Expertise: Decolonising and participatory methods, architectural practice, resilience, participatory granting, intercultural and community engagement, action research.



Name: Dr Emma McNicol

Project role: Co-Investigator

Expertise: Race, culture, gender and intersectional theory. Diversity and inclusivity, crisis counselling, trauma-informed and cross cultural research.



Name: Dr Rachel Couper

Project role: Co-Investigator / Associate Director of the Future Building Initiative

Expertise: Applied research, industrialised/systematic building, emerging technology, offsite manufacturing, advanced construction



Name: Robert Lees

Project role: Research Assistant

Expertise: Participatory methods, remote construction, participatory granting, community engagement

PROJECT BACKGROUND

The significant gaps in knowledge identified by Charlesworth and Fien (2024) and current literature on temporary housing highlights that a holistic 'resilient recovery' approach, is critical in establishing clear pathways to stable housing for affected people. This will provide a springboard for the research team to develop a nuanced, culturally and socioeconomically specific investigation of diverse case studies across Australia, that demonstrate an integrated socio-technical approach to gathering insights.

Our innovative approach is structured around two core principles, reflective of team expertise:

1. Foregrounding socio-cultural concerns with decolonising approaches.

2. Evaluating temporary housing models' performance through a focused technical, delivery, financial and post-occupancy approach.



3 YEARS

12 x CASE STUDIES

2 per jurisdiction

DIVERSE CONTEXTS

4x remote
5x regional
2x urban
1x semi-urban
1x island

DIVERSE TYPOLOGIES

7 SRRG Temporary housing typologies

METHODS

**INDIVIDUAL/
COMMUNITY**

Trauma-informed interviews
Group sessions
(eg. Womens groups)

**GOVERNMENT
AGENCIES**

Focus groups
Process mapping
Delivery analysis

**NGO/
INDUSTRY**

Focus groups
Process mapping
Delivery analysis

**ACCOMODATION
TYPOLOGY**

Post-occupancy evaluation
Structural performance
Cultural appropriateness
Logistics

MAPPING

Demographics
Geography
Hazard
Timeline
Community

FINAL CORE OUTPUTS

**FINAL RESEARCH AND
PRACTICE REPORTS**

**CROSS SECTORAL
RESOURCES**

**POLICY
BRIEFS**

**COMMUNITY FACING
RESOURCES**

INNOVATIVE PRACTICE IN HOUSING RECOVERY PROGRAMS NATIONALLY

CASE STUDY LIST



Case Study

State

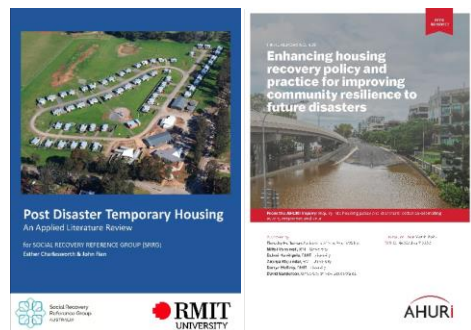
Disaster Event

1. Rochester and Elmore (regional) 2022	VIC	Northern Victoria floods	
2. Northern Rivers (regional/semi-urban) 2022	NSW	Northern Rivers floods	
3. Kimberley—Fitzroy Crossing, Derby, Broome (remote/regional) 2023	WA	Kimberley Floods	
4. Shepparton (regional) 2022	VIC	Northern Victoria floods	
5. Kangaroo Island (island) 2019/20	SA	Black Summer Bushfires	
6. Adelaide Hills (urban) 2019/20	SA	Black Summer Bushfires	
7. Gympie (regional) 2021/22	QLD	Southeast QLD rainfall & floods	
8. Bloomfield Valley / Wujal Wujal (remote) 2024	QLD	Tropical Cyclone Jasper	
9. Pigeonhole (and surrounding FN communities) (remote) 2024	NT tbc	Big Rivers region floods	
10. Timber Creek (remote) 2024	NT tbc	Big Rivers region floods	
11. Eugowra (and surrounding localities) (regional) 2022*	NSW	Central West Floods	
12. Logan, Scenic Rim, Gold Coast (urban LGAs) 2023*	QLD	Southeast QLD severe storms	

* Case study will be developed depending on findings from SA case studies / sufficient coverage of pods on private land typology

CRITICAL REVIEW

FOREGROUNDING LITERATURE



EXISTING SYSTEMATIC REVIEWS

TECHNICAL APPROACHES



CURRENT LITERATURE



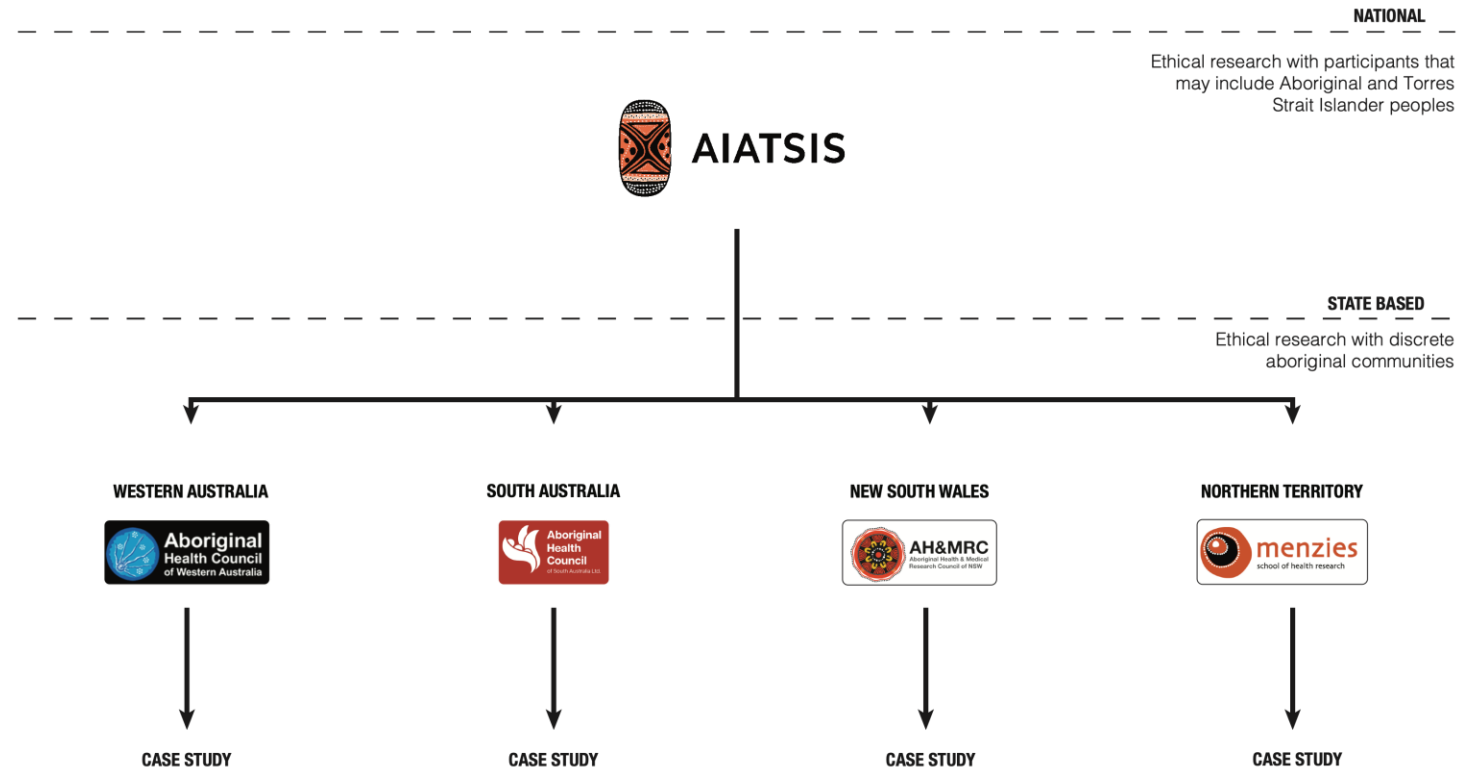
TRAUMA/RESILIENCE INFORMED APPROACHES

INDIGENOUS HOUSING

PRACTICE BASED APPROACHES

ETHICAL PRINCIPLES

Key trauma informed practices and approaches to research.



TEMPORARY HOUSING SYSTEM IN ACTION



TEMPORARY HOUSING TYPOLOGIES



LIVED EXPERIENCES OF TEMPORARY HOUSING



TEMPORARY HOUSING SYSTEM IN ACTION



METHODS AND APPROACHES



MAPPING PROCESS



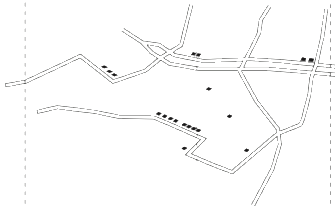
COMMUNITY MAPPING



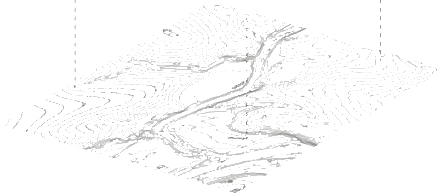
HAZARDS



DEMOGRAPHICS



GEOGRAPHICS



TIMELINE





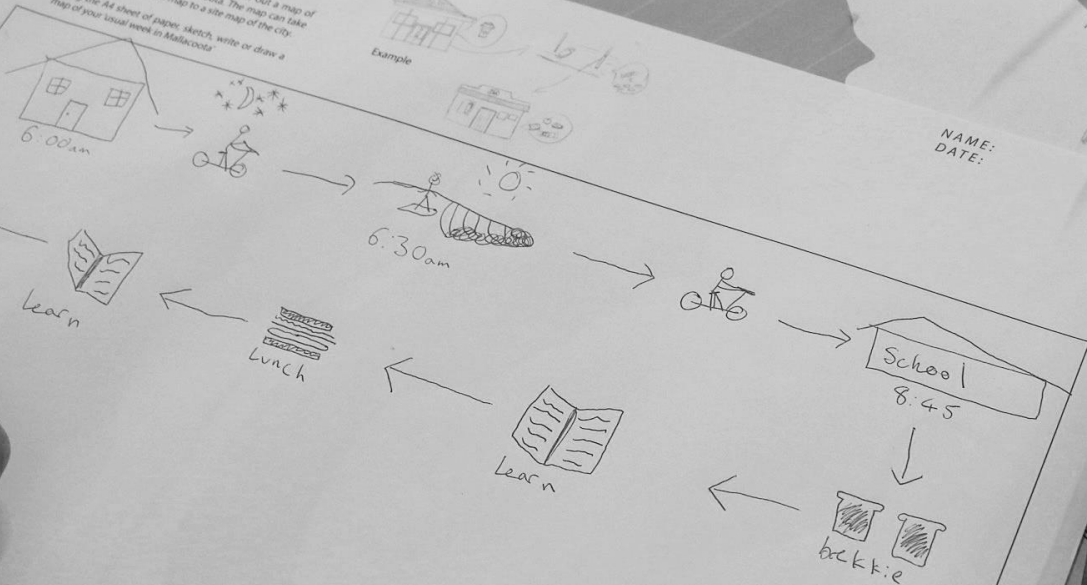
MALLACOOTA JOURNEY MAP

You will have the opportunity to draw out a map of your day to day life in Mallacoota. The map can take any form, from a mind map to a site map of the city.

Using the A4 sheet of paper, sketch, write or draw a map of your usual week in Mallacoota



NAME:
DATE:



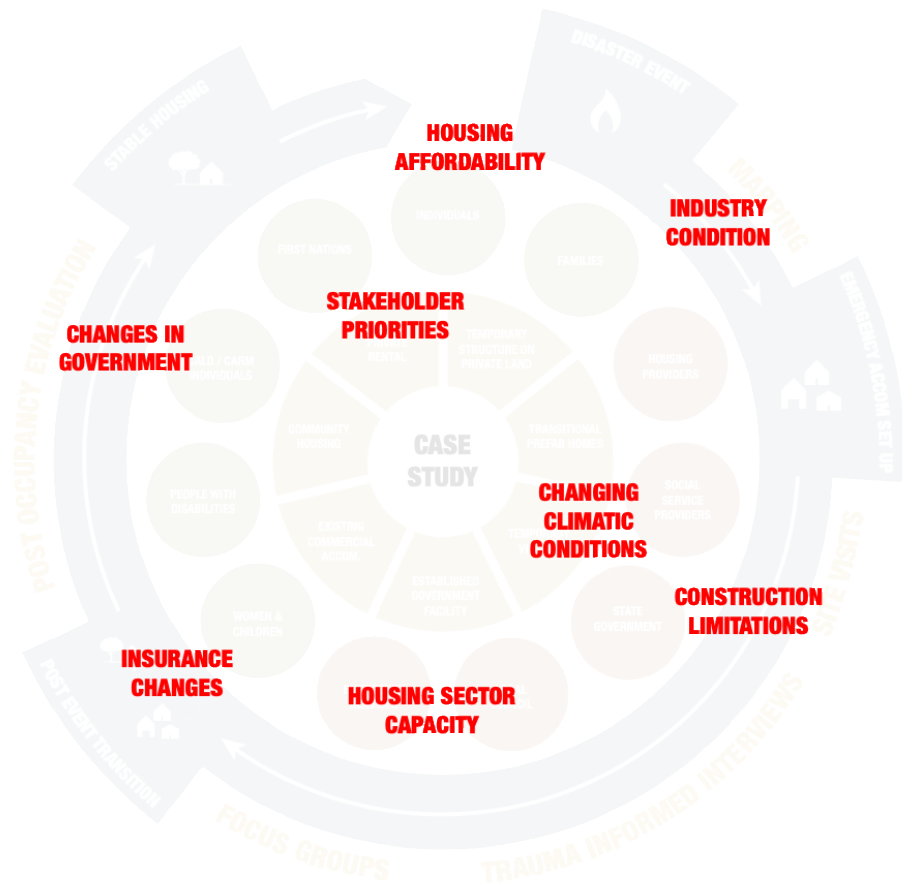
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I wake up a
play minecraft
10:30





Thank you

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Natural
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