We acknowledge the tradition of custodianship and law of the Country on which the University of Sydney campuses stand. We pay our respects to those who have cared and continue to care for Country.



Community Risk Assessment



Project Team

The University of Sydney

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Natural Hazard Research Australia

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Significance

Practical significance – Need to change:

- Agencies are at different stages of a moderate to significant revision

Theoretical significance – Need to reflect complexities:

- Multi-hazard scenarios
- Multi-stakeholder scenarios
- Dynamic scenarios
- Consideration of vulnerability and resilience

Systematic literature review

- Started from key literature to establish the concepts
- Keywords used:
 - "community risk assessment" 47 manuscripts

Empirical study: interviews with 29 individuals from a range of agencies and organisations across the country

- Exposure data
- Hazard data
- Vulnerability data
- Data for identified risk elements

Main Outputs

Guideline for community risk assessment development

- Alternative approaches

- Based on tables of the synthesis of practice and literature

- Principles

From empirical study

- Can be used by users based on their needs

- What are the range of potential approaches and their capabilities?
- How can we innovate and do it differently?

Path Forward

Bottom-up approach

Based on input and engagement of local and Indigenous community including rich contextual understanding

- Top-down approach

- Based on technical and scientific input and analysis

How to integrate bottom-up and top-down insights

An old age and ubiquitous tension

