THE AUSTRALIAN NATURAL DISASTER RESILIENCE INDEX

ASSESSING THE RESILIENCE OF AUSTRALIAN COMMUNITIES TO NATURAL HAZARDS.

Phil Morley & Melissa Parsons
University of New England, Armidale, NSW
PEOPLE

Dr Phil Morley, UNE
Dr Melissa Parsons, UNE
AP. Neil Argent, UNE
Dr Sonya Glavac, UNE
AP. Graham Marshall, UNE
Mr James McGregor, UNE
Dr Judith McNeill
Dr Ian Reeve, UNE
Dr Richard Stayner
Prof. Martin Thoms, UNE
Dr Peter Hastings, QUT
Gwynne Brown, CFA Vic
Dr Sunara Fernando, NSW RFS
Karen Enbom, CFA Vic
Sandra Barber, Fire Tas
Trent Curtin, Vic MFB
Sunara Fernando, NSW RFS
Paul Fletcher, SA MFB
Suellen Flint, DFES, WA
Colleen Ridge, SES, Tas
Raelene Thompson, AEMI

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The NSDR recognizes four characteristics of disaster resilient communities: 1) Functioning well while under stress; 2) Successful adaptation; 3) Self-reliance; and, 4) Social capacity.

How would progress towards the development of these characteristics be assessed?

How can investments by governments, communities, businesses and individuals in disaster resilience be evaluated and reported?

How can future priorities for disaster resilience investments be determined?

Some form of measure and benchmarking is needed.
CONCEPT

There is a burgeoning literature on using indices to assess community vulnerability. For example, Susan Cutter’s Index of Social Vulnerability, The Prevalent Vulnerability Index, the Disaster Risk Index, the Predictive Indicator of Vulnerability and Susan Cutters Resilience Index.

However, these have not been applied to Australia, for Australian communities or based on Australian policy.
TESTING

How do these indices perform in real life?

Determine indicators of resilience,
Test against a number of recent Australian Natural Disasters
Recalibrate against those events to find best possible measures
DELIVERABLES

National & State Indicators
Local Indicators
Case Study Applications