# Bushfire and Natural Hazards CRC

Shaping a Research Centre
Dr Richard Thornton
CEO



- 10 years of co-ordinated research.
- Many successes
- Commonwealth funding finished in July 2013 – commitment to continue until July 2014
- Focus on delivery to end-users in remaining 10 months





# Bushfire and Natural Hazards CRC

- Research to build a disaster resilient Australia
- O Building upon a decade of Bushfire CRC achievements
- From 1 July 2013 under Australian Government CRC Program





#### Expanded focus

Bushfire research focus expanded into:

- Flood
- Storm
- O Cyclone
- O Tsunami
- Earthquake
- Other natural hazards





### A national partnership

- Cooperative Research Centre Program funds -\$47m over 8 years
- O Total funds \$130M (cash and in-kind)
- Fire, Emergency service, policy and land management agencies from all states and territories
- Research partners including Universities, BOM and GA.





#### Research

- Coordinated
- Cooperative
- Interdisciplinary
- O To support emergency services, government.
- O To prevent, prepare for, respond to, and recover from natural disasters.





## Working with communities

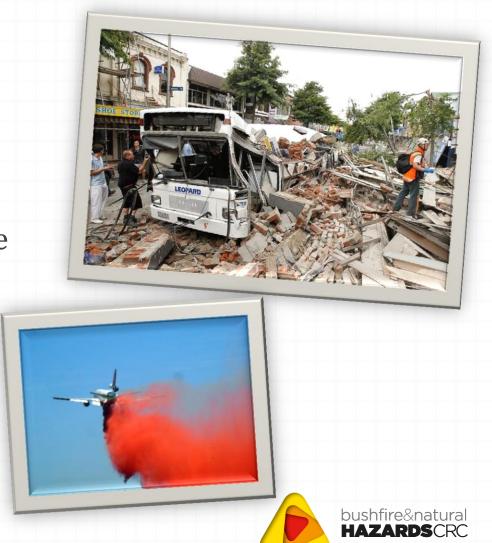
- O To improve disaster resilience
- To reduce the human, social, economic and environmental costs of bushfires and other natural hazards





## Guiding principles

- National focus
- Large scale of problem
- Multi hazard
- Filling a gap in knowledge
- Sizable impact
- Likelihood of adoption



# 195 proposals 35 shortlisted \$47m over 8 years

- 1. PM Announcement (13 Feb)
- 2. Problem statements
- 3. Call for proposals
- 4. Proposal evaluation
- 5. Workshop (23 May)
- 6. CRC began (1 July)
- 7. Planning in detail August-October





#### **Board and Staff**

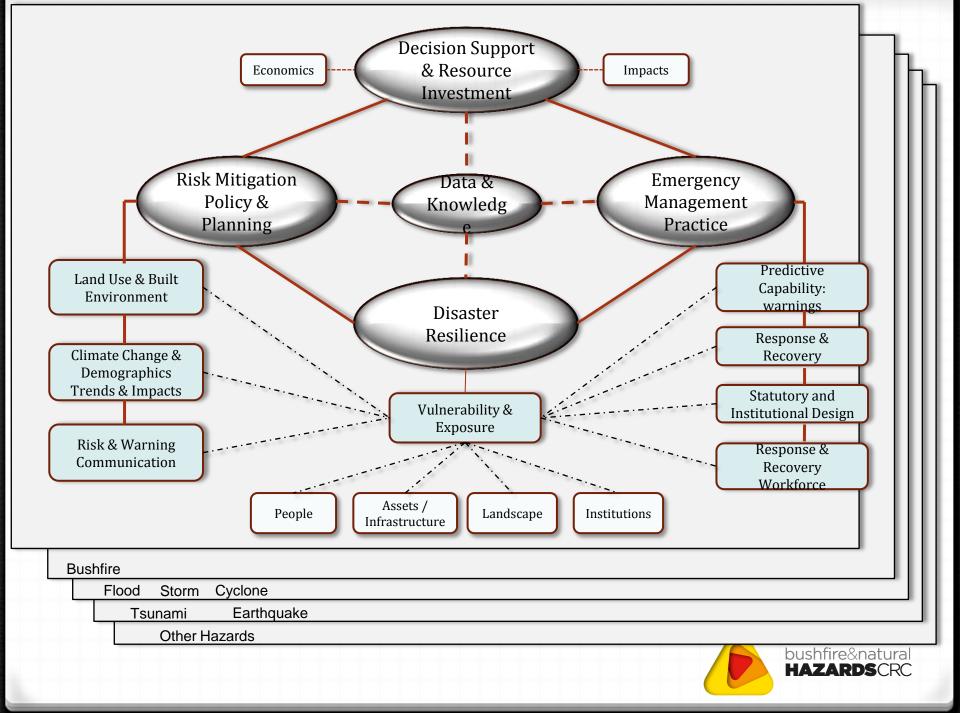
- Board
  - Or Laurie Hammond (Independent Chairman)
  - Tony Sheehan (AGD)
  - David Place (SAFECOM)
  - Stuart Ellis (AFAC)
- Staff
  - O Dr Richard Thornton CEO
  - David Bruce Communications Manager
  - Leanne Beattie Executive Assistant
  - TBA Research Manager



#### Implementation team

- Research Planning team
  - Martine Woolf (GA)
  - Jill Edwards (AFAC)
  - Simon Heemstra (NSW RFS)
- Establishment phase
  - Naomi Brown (Interim Chair)
  - Neil Head (AGD)
  - John Schauble (Vic Emergency Services Commissioner)
  - Alex Rofe (AGD)

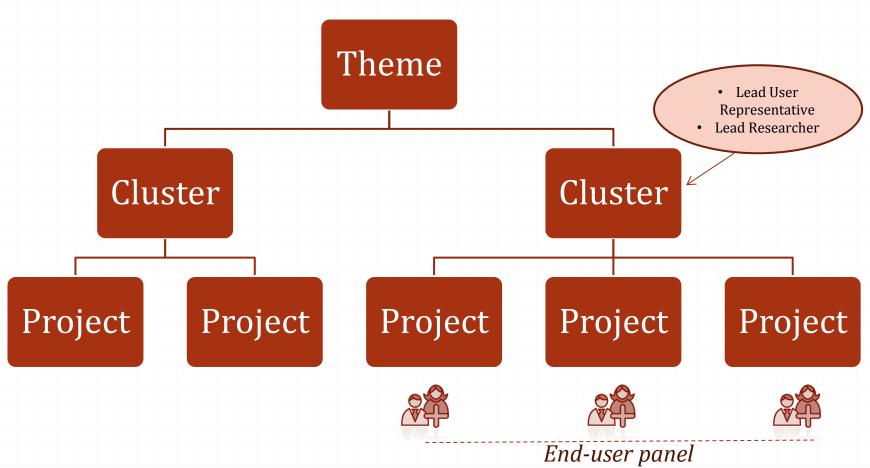




# Research Program - themes









#### Economics, Policy and Decision-making

Governance and institutional knowledge

Economics and strategic decisions

Scenarios and loss analysis



#### Resilient People, Infrastructure and Institutions

Communication and warnings

Emergency management capability

Sustainable volunteering

Understanding and measuring social resilience

Hardening buildings and infrastructure

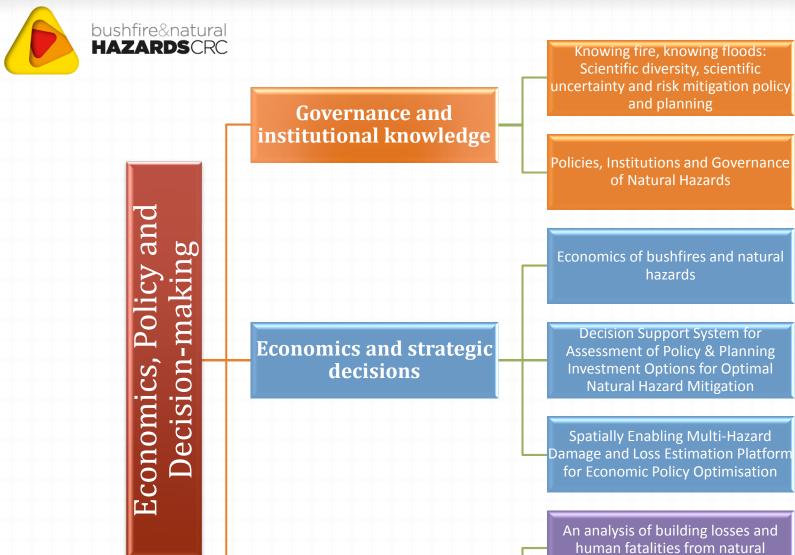
#### Bushfire and Natural Hazard Risks

Monitoring and prediction

Next generation fire modelling

Prescribed burning and catchment management

Coastal management



**Scenarios and loss** analysis

disasters in Australia

Using realistic disaster scenario analysis to understand natural hazard impacts and emergency management requirements

#### www.bnhcrc.com.au

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