



bushfire&natural  
**HAZARDS**CRC

# BUSHFIRES AND NATURAL HAZARDS - A SIMPLE EQUATION?

## BRIDGING THE GAP BETWEEN THE POLICY AND THE PRACTICAL

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An Australian Government Initiative



# OVERVIEW

A simple matter of adding all hazards to Bushfire?

- 1) A little history
- 2) Scope
- 3) Some drivers for change
- 4) The partner dimension
- 5) The research response

# BUSHFIRE AND NATURAL HAZARDS CRC

- 1) Research to build a disaster-resilient Australia
- 2) Building upon a decade of Bushfire CRC achievements
- 3) From 1 July 2013 under Australian Government CRC Program \$47m over 8 years; total funds \$130M (cash and in-kind)
- 4) Fire, Emergency service, policy and land management agencies from all states and territories and NZ
- 5) Research partners including Universities, BOM and GA



# WHAT IS A CO-OPERATIVE RESEARCH CENTRE

- 1) A joint venture between Commonwealth, End-users and researchers
- 2) Pooled value model – sum of the parts greater than individual efforts
- 3) 2003-2010 Bushfire CRC; 2010-2013 Bushfire CRC Extension
- 4) 2013-2021 Bushfire and Natural Hazards CRC
  - a) New entity, new partners, new agenda.
  - b) \$130M cash and in-kind

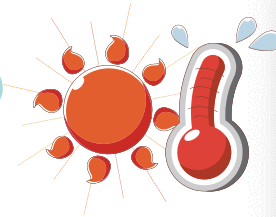
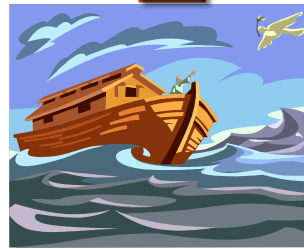
# GUIDING PRINCIPLES

- 1) National focus
- 2) Large scale of problem
- 3) Multi hazard
- 4) Filling a gap in knowledge
- 5) Sizable impact
- 6) Likelihood of adoption

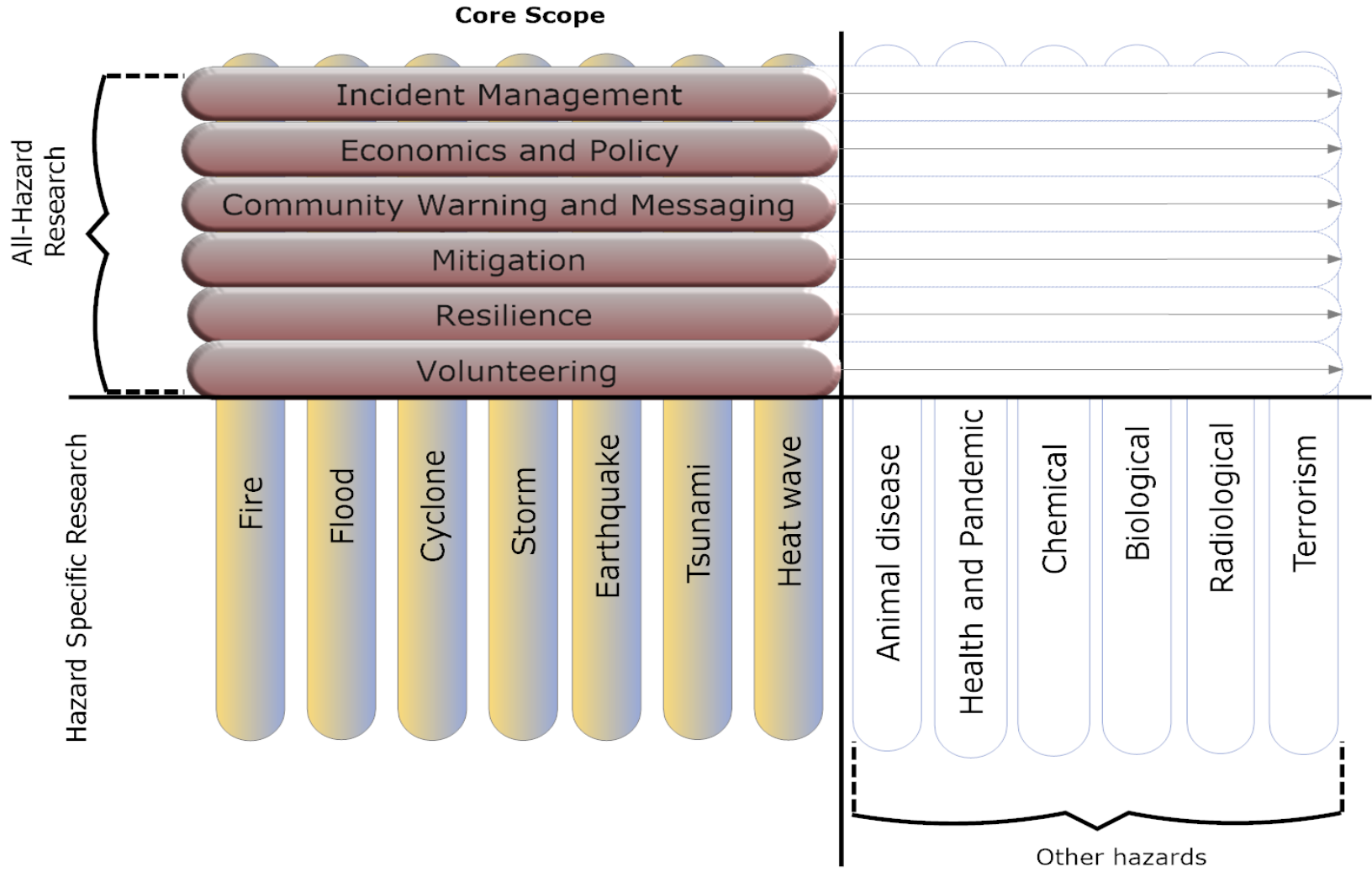


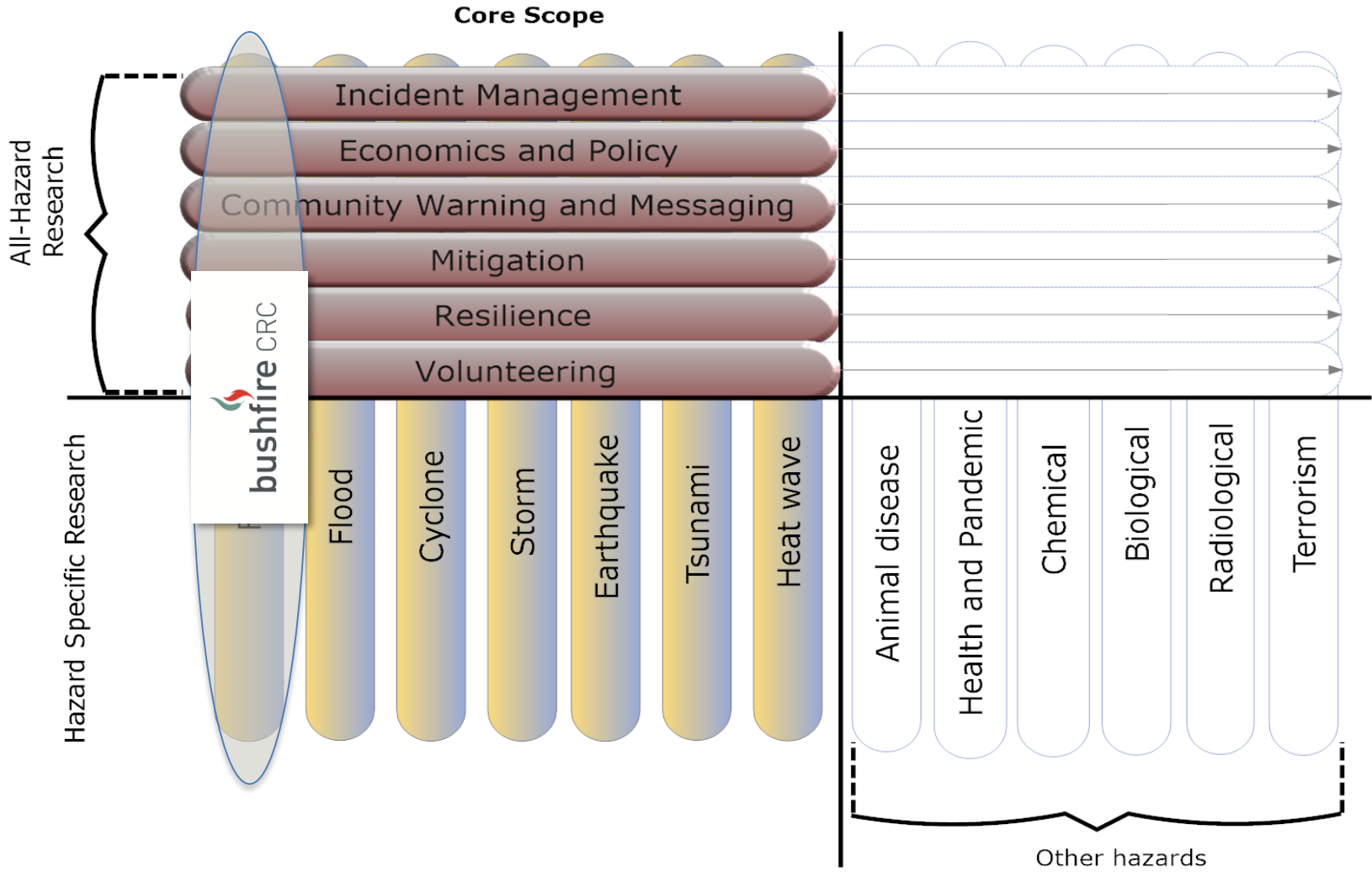


# JUST A SIMPLE MATTER OF SCOPE?

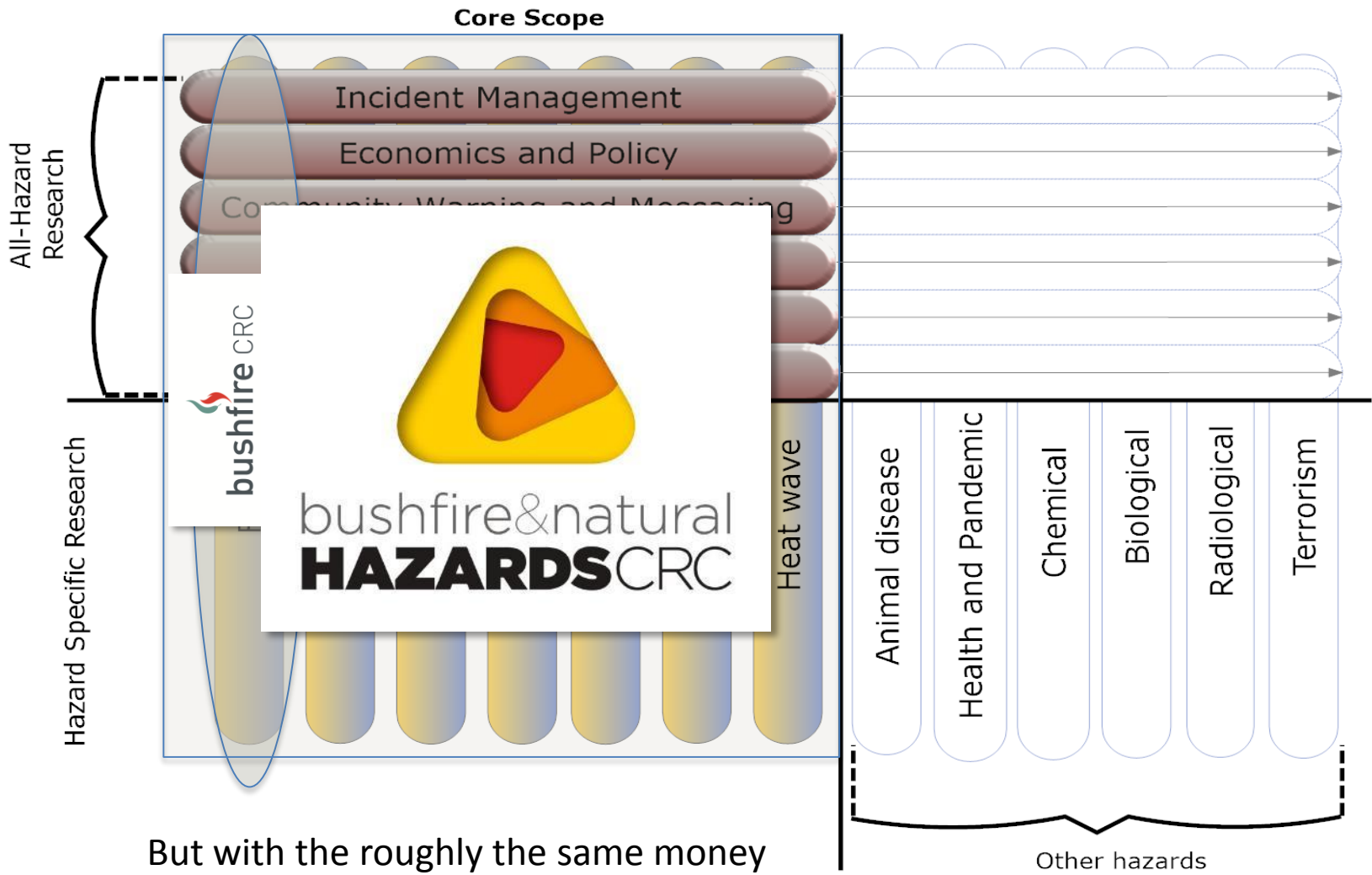


But what else? – what about health impacts, pandemics, locust plagues...?







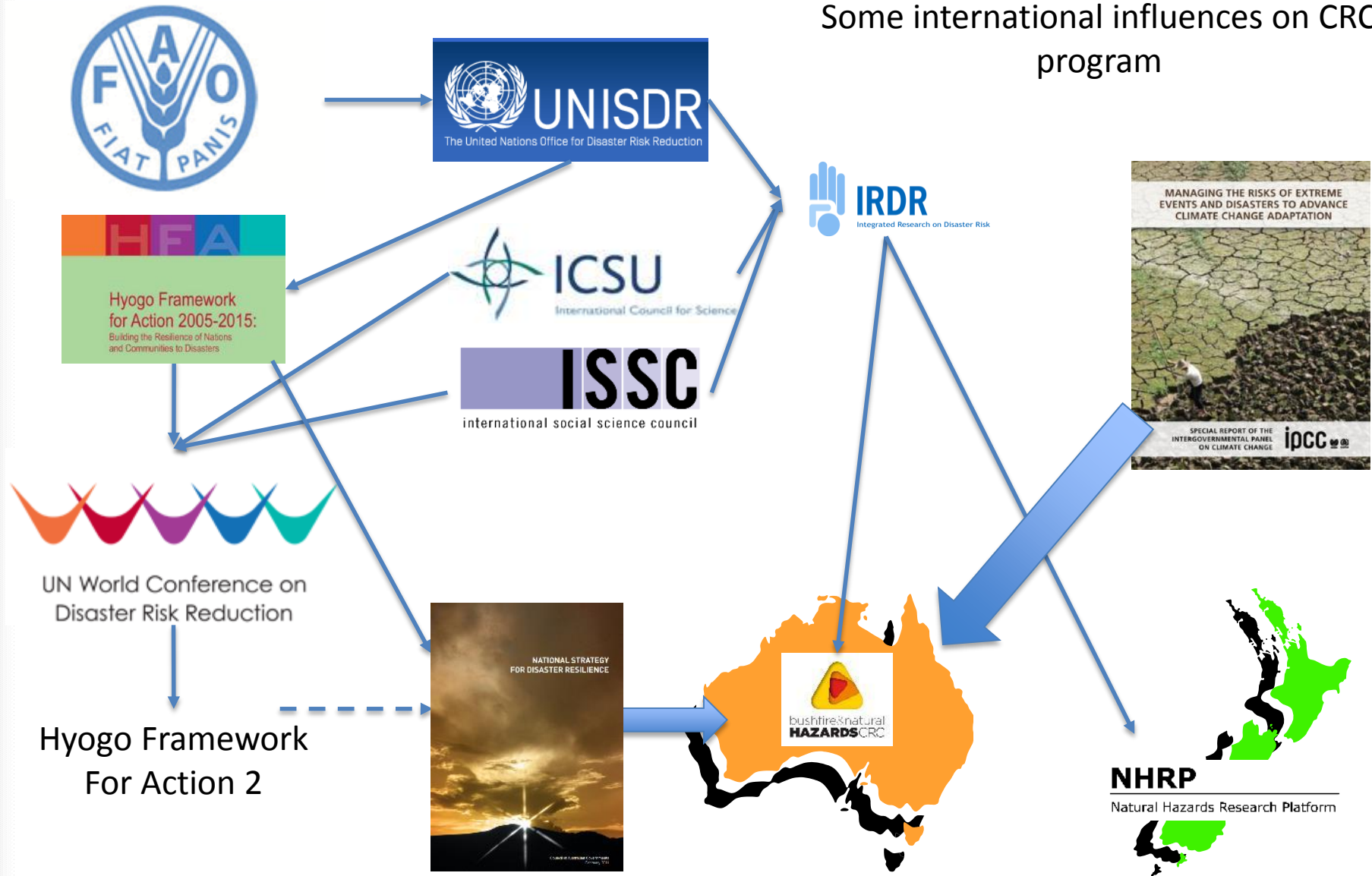


But with the roughly the same money

# SOME OTHER DRIVERS

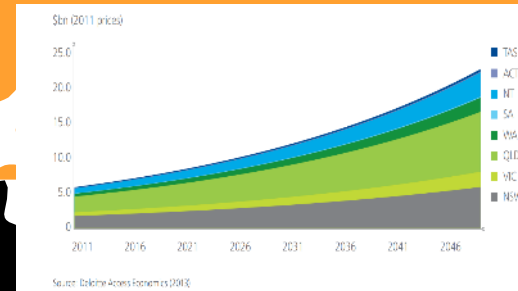
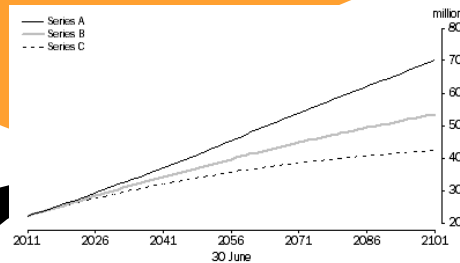
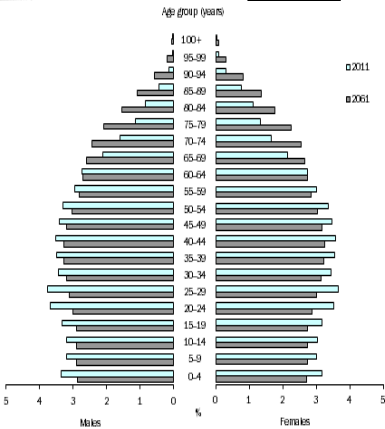


# Some international influences on CRC program



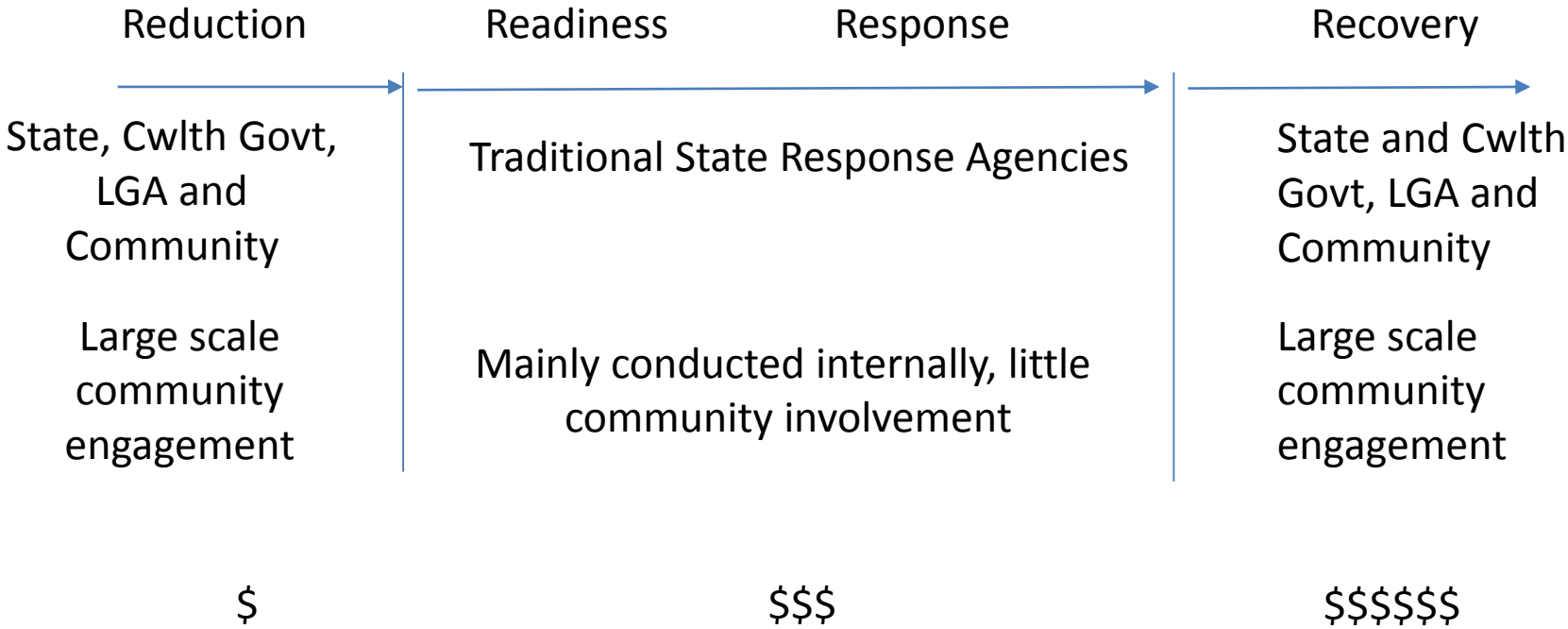


# Australia-New Zealand Emergency Management Committee



Bushfire and Natural Hazards CRC Research

Bushfire CRC Research



# COMPLEXITY IN INTERESTS



# END-USERS OF RESEARCH



Australian Government  
Attorney-General's Department



Volunteering Qld



Government of South Australia  
Department of Environment,  
Water and Natural Resources



Government of South Australia



FIRE SERVICES  
COMMISSIONER  
VICTORIA



GOVERNMENT OF  
WESTERN AUSTRALIA



Government of South Australia  
Department of Environment,  
Water and Natural Resources



Government of South Australia  
Department for Communities  
and Social Inclusion



Department of  
Environment and  
Primary Industries



Government of South Australia



Australian Fire and Emergency  
Service Authorities Council



Tasmania Fire Service



# PARTICIPANTS - RESEARCH PROVIDERS



Australian Government  
Geoscience Australia



THE UNIVERSITY OF  
WESTERN AUSTRALIA



THE UNIVERSITY  
OF MELBOURNE



MACQUARIE  
UNIVERSITY

SYDNEY ~ AUSTRALIA



THE AUSTRALIAN NATIONAL UNIVERSITY



Queensland University of Technology  
Brisbane Australia



UNIVERSITY  
OF SOUTHERN  
QUEENSLAND



THE UNIVERSITY OF  
SYDNEY



MONASH University



THE UNIVERSITY  
of ADELAIDE



University of  
Western Sydney



UNIVERSITY OF  
CANBERRA



Australian Government  
Bureau of Meteorology

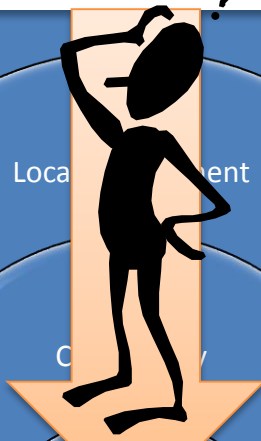


# SOME CHALLENGES TO USE OF RESEARCH

Federal Government



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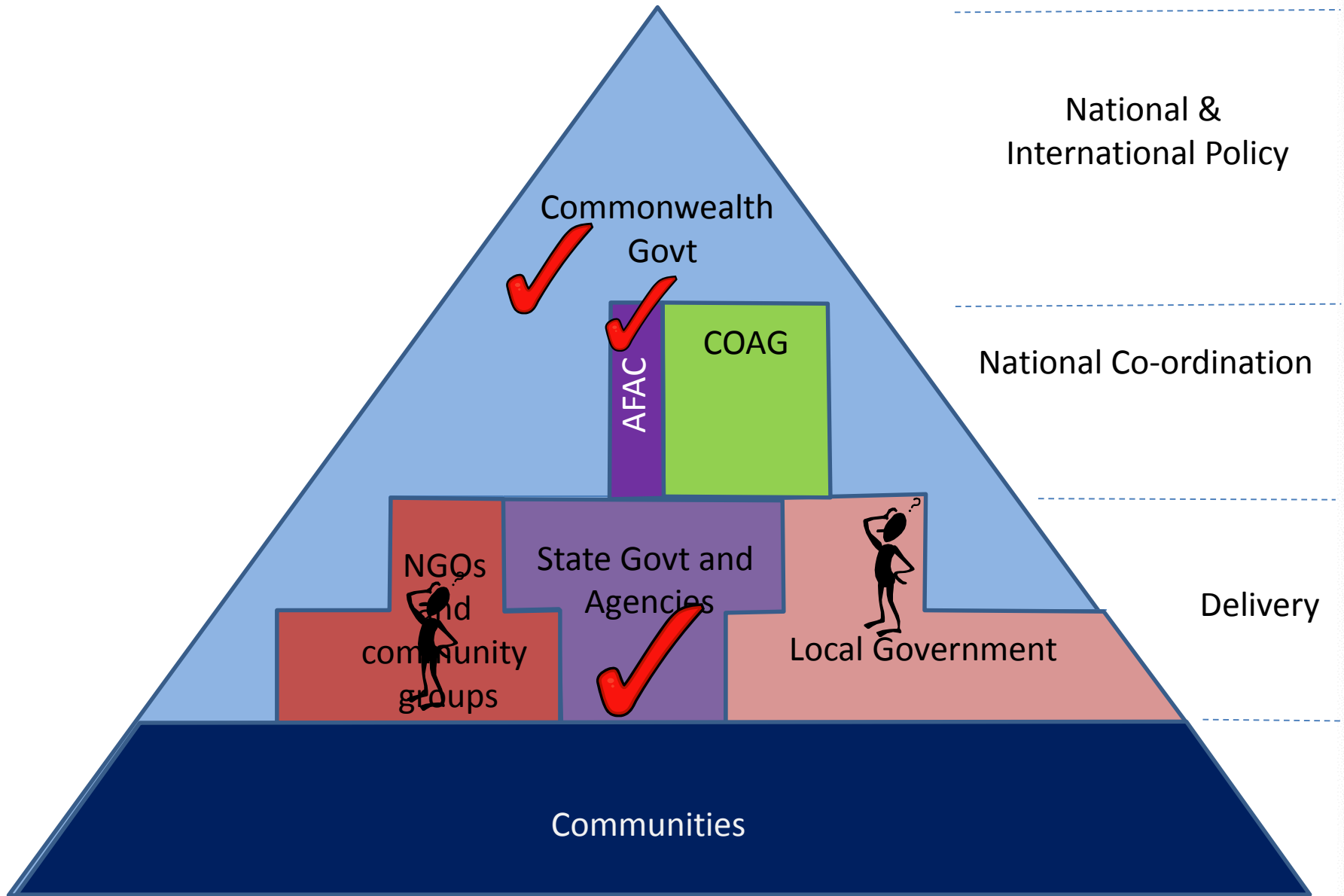
Local Government

Community

Family







# OTHER PARTICIPANTS AND STAKEHOLDERS

- Social service and crisis response organisations
- Local government
- Insurance industry
- Australian Business Roundtable for Disaster Resilience and Safer Communities
- **Ministerial Council and ANZEMC**



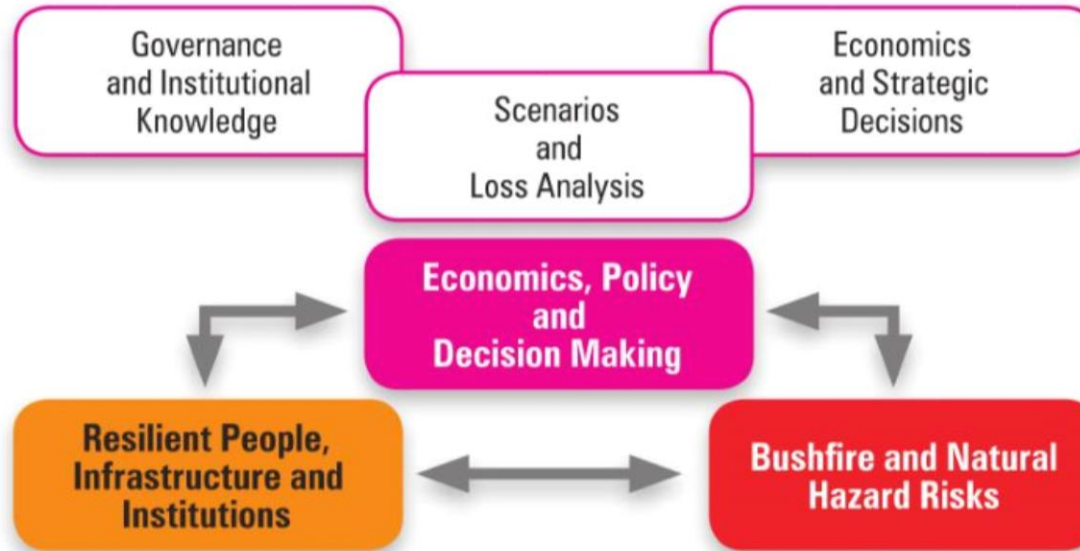
# NEW CHALLENGES

- Multiple end-user types and stakeholders
- End-user participants and stakeholders, with diverse roles and mandates
- diverse needs for relevant information for decision-making and operations
- Varying capacities to define research needs, to participate, and to adopt results
- All the time balancing the needs of research partners

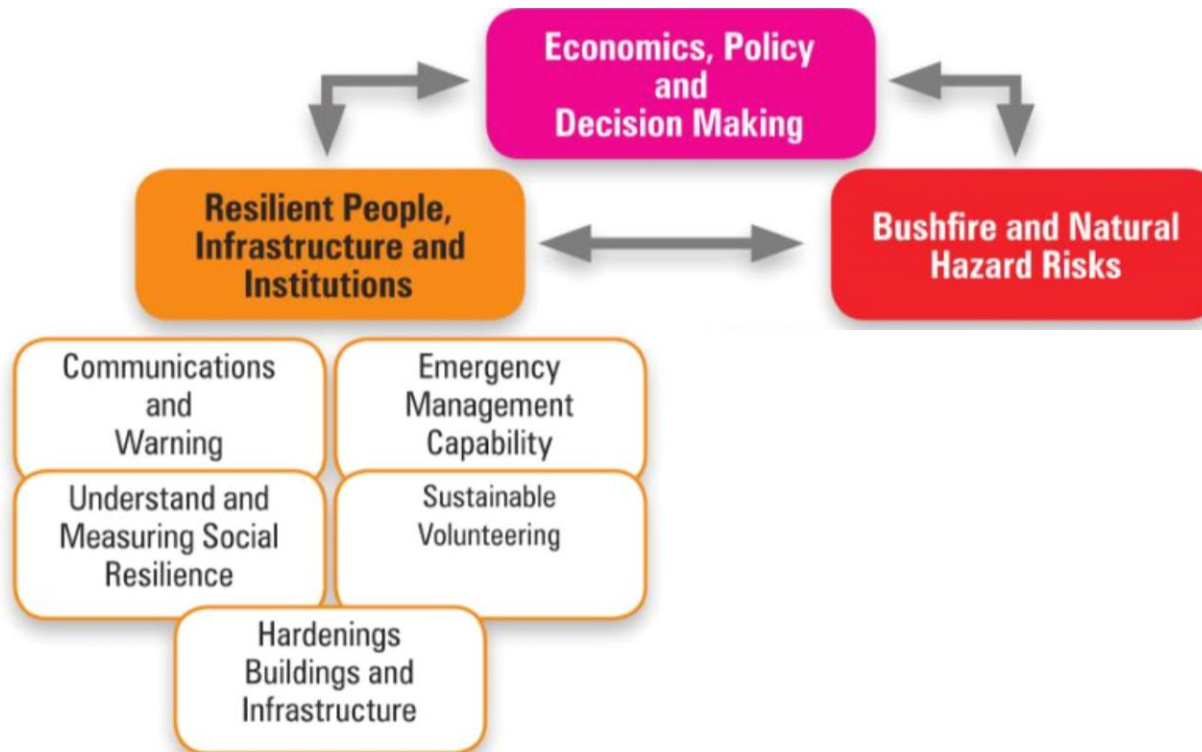
# RESEARCH PROGRAM AND THEMES



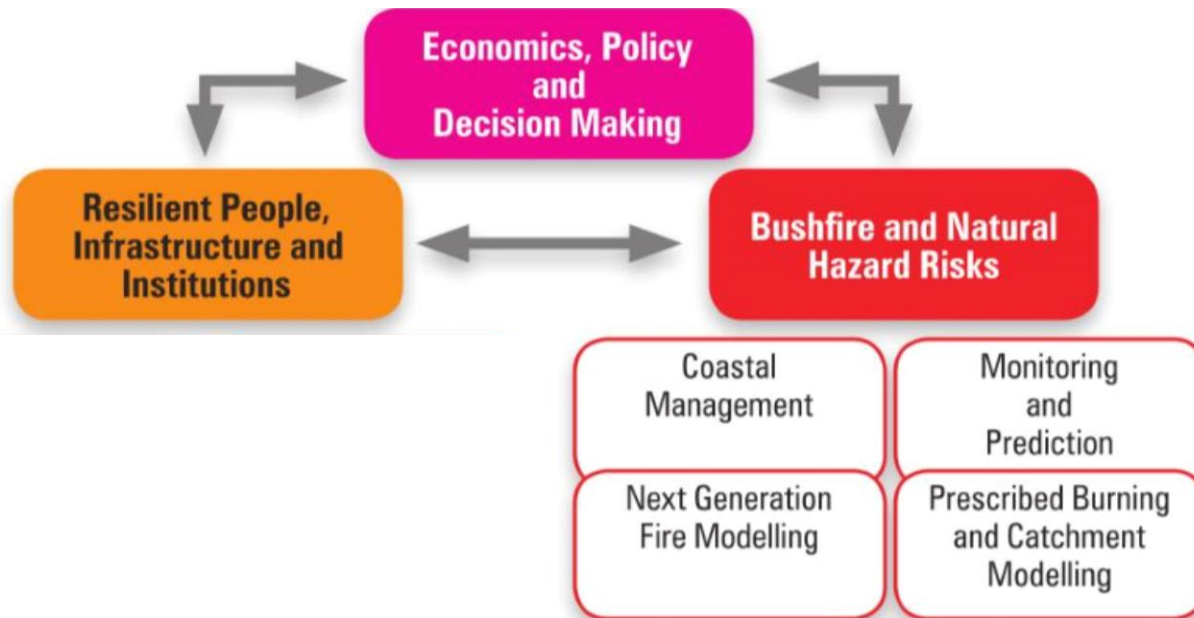
# RESEARCH THEME 1



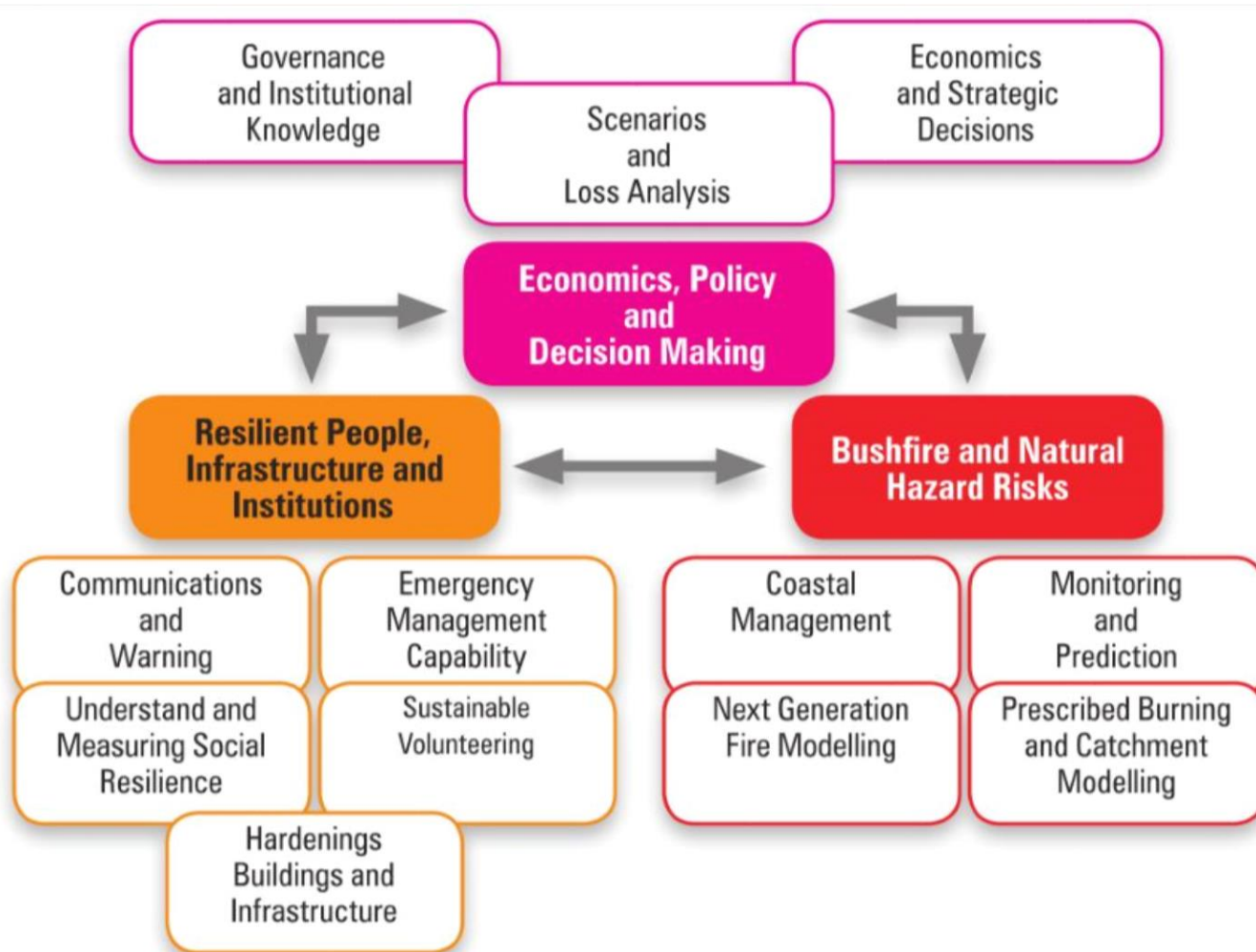
# RESEARCH THEME 2



# RESEARCH THEME 3



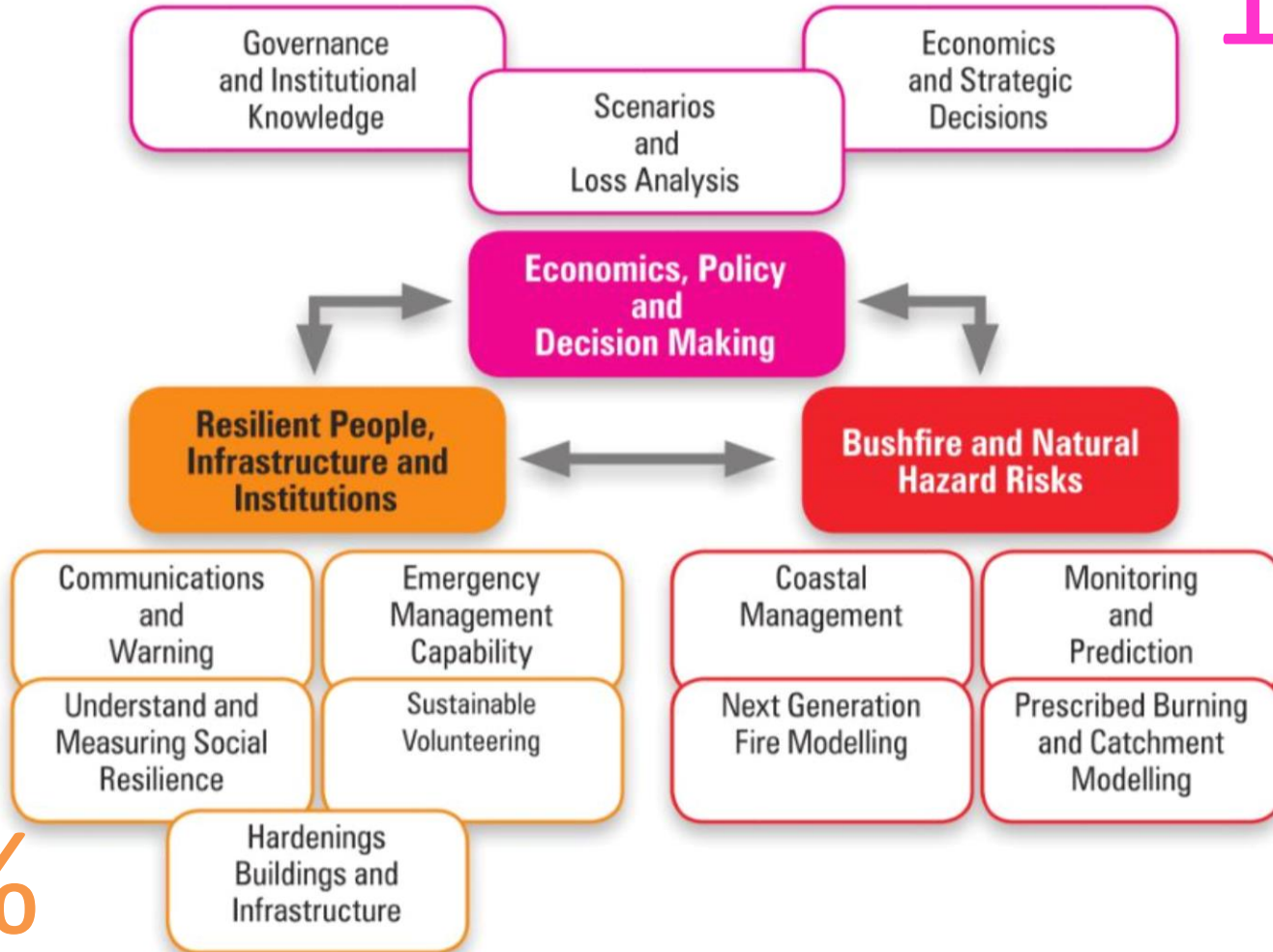
# RESEARCH PROGRAM





# FUNDING FOR THEMES

18%



40%

42%

## ANOTHER WAY TO SLICE IT ...

- **60%** on projects that are truly multi-hazard in nature, (Economics, Policy and Decision Making and the Resilience themes)
- **40%** on projects that are hazard-specific

# EDUCATION AND INTERNATIONAL LINKAGES

- 1) BNHCRC scholarship program is open, offers top-up and Full Scholarships ([www.bnhcrc.com.au/education](http://www.bnhcrc.com.au/education))
- 2) The work of the centre is also seeking to link with other groups around the world, building on the relationships developed by the Bushfire CRC.

# WANT TO KNOW MORE?

- 1) See us at the BNHCRC and AFAC stand
- 2) Talk to us over the rest of the day
- 3) Go to our website [bnhcrc.com.au](http://bnhcrc.com.au) register for Hazard News and Hazard Notes
- 4) Like us on Facebook @BNHCRC
- 5) Follow us on Twitter @bnhcrc
- 6) Email us [firstname.lastname@bnhcrc.com.au](mailto:firstname.lastname@bnhcrc.com.au)
- 7) Give us a call 03 9412 9600



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# IT IS YOUR CRC – GET INVOLVED!

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