



bushfire&natural
HAZARDSCRC

A REFRESHED RESEARCH PROGRAM

Dr Michael Rumsewicz

Research Director

www.bnhcrc.com.au



Australian Government
Department of Industry,
Innovation and Science

Business
Cooperative Research
Centres Programme

RAF – WHAT TO EXPECT

Main Auditorium

Research presentations
Summaries of research to date
Student presentations
Introduction to new projects



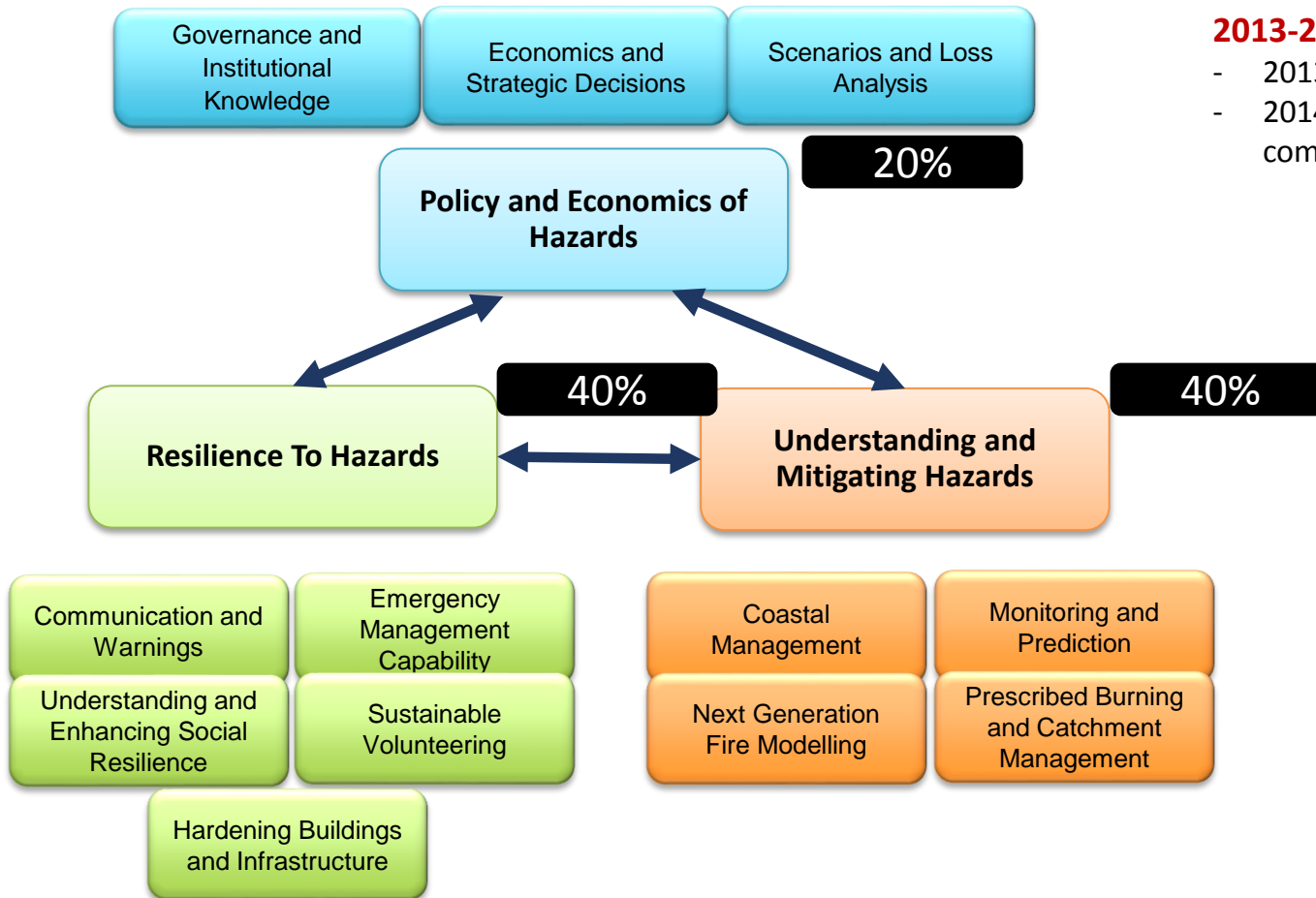
Breakout Rooms

Project working meetings
Where to from here?
How will it be used?



Yes, you'll probably have to make choices!

OUR RESEARCH PROGRAM 2013-2017



2013-2017

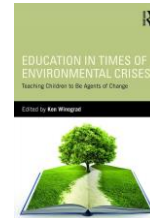
- 2013: Official start
- 2014/15: 39 projects commenced

WHERE ARE WE?



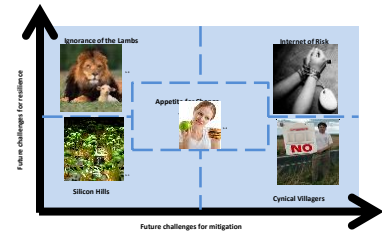
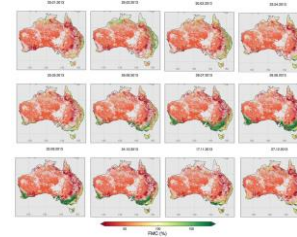
In FY 2015-16

- 7 book chapters
- 57 journal papers
- 79 conference papers
- 92 reports



Prototypes

- Fuel load estimation
- Fuel flammability
- Hazard mitigation planning
- ...



Month 46 of 96

Policy influence

- Sustainable volunteering
- Flood death prevention
- National warnings review
- ...



Engagement

- AFAC16 Research Forum: 400+
- Two RAFs: 2 x 100+
- Many AFAC Groups, ANZEMC
- Many Workshops
-



REFRESHING OUR RESEARCH PROGRAM

Understand current environment

- Quality and utilisation potential of current CRC program
- Publically funded natural hazards research

Jan 2016

Consult stakeholders

- Develop a national natural hazards research agenda
- Prioritise areas for future research

Jan – Dec 2016

Seek research providers

- Seek expressions from research partners, and the wider research sector if required

July – Aug 2016

Develop projects plans

- Research and end user representatives develop project

Aug – Dec 2016

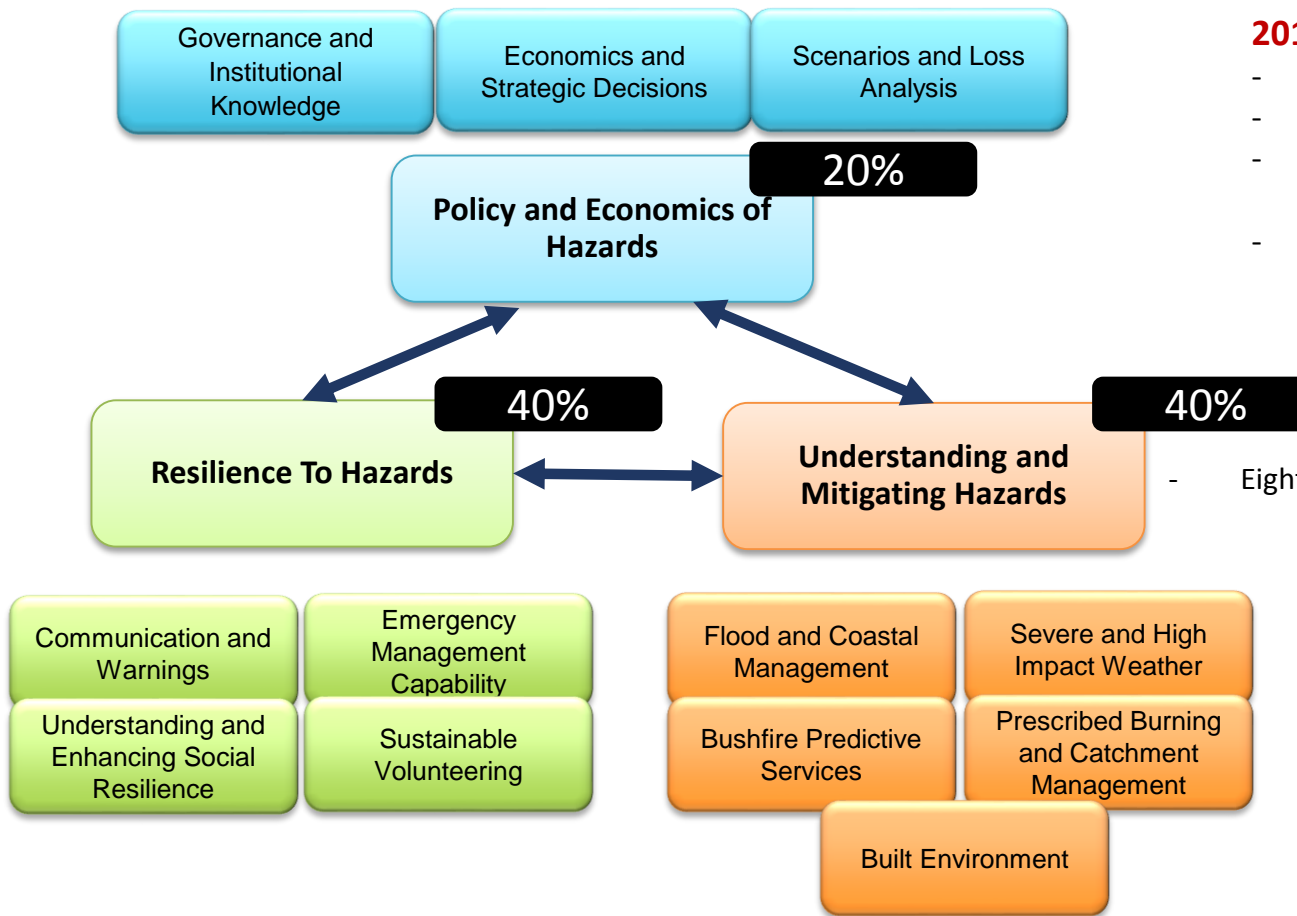
We are here!

Start projects

Release national research agenda

July 1 2017

REFRESHED PROGRAM 2013-2021



2017-2021

- 2017:
- 8 new projects commence
- Some projects to focus on utilisation
- Some projects continue research and utilisation activities

- Eight new projects:
 - Diversity
 - Catastrophic events
 - Mental health and well-being in emergency services
 - Rapid damage assessment
 - Land use planning
 - Recovery
 - Cultural hazards
 - Flood communication

CRITICAL SUCCESS FACTORS



- Use is everything – importance of end-user engagement
- Multi-disciplinary approach is the key to finding solutions to ‘Wicked Problems’
- End-user developed research questions – not researcher-led
- Focus on use at the beginning of the project with utilisation plans developed early.
- Ongoing engagement – researcher end-user teams
- Continual communications through many channels

NATIONAL NATURAL HAZARDS RESEARCH AGENDA

A national natural hazards research agenda, consisting of succinct, high value problem statements across a spectrum of topics supporting natural hazards disaster resilience.

Broader than the CRC research program and our ability to fund necessary research, it

- Informed the 2017-2021 CRC research program.
- Will act as a guide to Australian research sector on high value areas of national strategic importance.

To be released in 2017



WHAT'S NEW?

Tactical Research Fund:

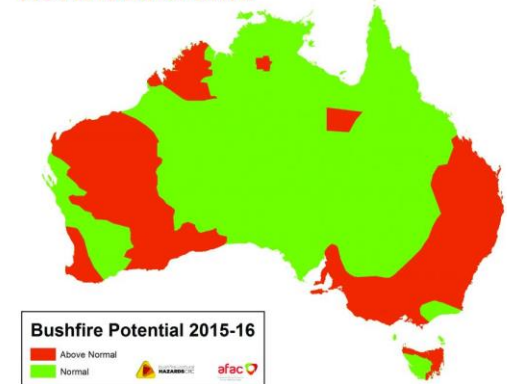
- Short term tactical research and investigation projects
 - Proposals from end user partners only
 - 6 to 12 month duration
 - < \$100K

Communications:

- We are working closely with the Australian Science Media Centre to promote CRC research.
- Severe weather season starting across southern states – media may contact you directly or via us.
- Please remember to reference the CRC by name when appropriate.



SOUTHERN AUSTRALIA SEASONAL BUSHFIRE OUTLOOK 2015-16: NOVEMBER UPDATE



AUSTRALIAN INSTITUTE FOR DISASTER RESILIENCE

Partnership between AFAC, the Australian Red Cross and the Bushfire & Natural Hazards CRC under a contract with the Australian Government through Emergency Management Australia, delivering:

- 1) Emergency Management Doctrine
- 2) Networking and National Capability Development Program
- 3) Schools Education Program
- 4) Volunteer Leadership Support Program
- 5) Knowledge Management
- 6) Publications, including AJEM
 - Michael Rumsewicz now Editor in Chief
 - Free online – four editions a year.

AIDR is an major vehicle to utilisation of our research

Australian Institute for
Disaster Resilience



KEEPING IN TOUCH

- 1) Twice annual Research Advisory Forums
- 2) Briefings via AFAC and other outlets
- 3) Conference and journal publications
- 4) Our website – www.bnhcrc.com.au
- 5) Via Hazard News and Hazard Notes – sign up via the website
- 6) Follow us on Twitter (@BNHCRC) and like us on Facebook
- 7) Call us!