



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

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2003-2013

WWW.BUSHFIRECRC.COM

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MORE COST EFFECTIVE AIRCRAFT

Fire and land management agencies now able to make more informed decisions.



www.bushfirecrc.com/projects/a31/evaluation-aerial-suppression-techniques-and-guidelines

bushfirecrc.com.au

BETTER VOLUNTEER MANAGEMENT

Fire and emergency services have changed the way they manage volunteers.



www.bushfirecrc.com/projects/d3/enhancing-volunteerism

bushfirecrc.com.au

GREATER COMMUNITY SAFETY

A new national approach to public bushfire awareness based on Bushfire CRC research findings



www.bushfirecrc.com/research/program-c
www.bushfirecrc.com/category/projectgroup/1-community-expectations
www.bushfirecrc.com/research/program-2

bushfirecrc.com.au

INCREASED HOUSE AND VEHICLE SAFETY

Increased public safety through better understanding of building construction, preparation and defence, and sheltering in vehicles



www.bushfirecrc.com/projects/d11/building-and-occupant-protection

bushfirecrc.com.au

BETTER PRESCRIBED FIRE MANAGEMENT

Mark Johnson and Peter Abbott

A greater understanding of the benefits and limitations of prescribed burning is now more evident



Burning Issues

BURNING UNDER YOUNG EUCALYPTS
A guide for prescribed burning and post-fire assessment

FIRE SEVERITY CATEGORIES FOR THE TROPICAL SAVANNA WOODLANDS OF NORTHERN AUSTRALIA

BURNING ISSUES
RESEARCH AND MANAGEMENT OF CATASTROPHIC BURNING EVENTS

<http://www.bushfirecrc.com/research/program-b>
<http://www.bushfirecrc.com/category/projectgroup/9-fire-landscape>

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MORE EFFECTIVE SMOKE MANAGEMENT

The management of bushfire smoke in the air, on the fire-ground and in the community can be better managed.



SMOKE EXPOSURE MANAGEMENT ON THE FIRE GROUND: A REFERENCE GUIDE

SMOKE DISPERSION FORECAST TRAINING

FIELD GUIDE TO SMOKE EXPOSURE MANAGEMENT

SMOKE EXPOSURE MANAGEMENT ON THE FIRE GROUND: A REFERENCE GUIDE

<http://www.bushfirecrc.com/projects/d4/respiratory-health-fire-fighters>
<http://www.bushfirecrc.com/projects/c-11-3/operational-readiness-rural-firefighters-air-toxics>

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INCREASED UNDERSTANDING OF FIRE BEHAVIOUR

Fire and land managers have better tools and understanding of fire behaviour in a variety of fuels and topography.



- <http://www.bushfirecrc.com/projects/a11/fire-behaviour-modelling>
- <http://www.bushfirecrc.com/projects/a41/fire-management-business-model>
- <http://www.bushfirecrc.com/projects/a51/computer-simulation-modelling>
- <http://www.bushfirecrc.com/category/projectgroup/10-extreme-fire-behaviour-suppression-and-situational-awareness>

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bushfire&natural
HAZARDSCRC

2013-2021

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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.



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EXPANDED FOCUS

Bushfire research focus expanded into:

- 1) Flood
- 2) Storm
- 3) Cyclone
- 4) Tsunami
- 5) Earthquake
- 6) Other natural hazards



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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



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RESEARCH PROGRAM



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EDUCATION AND INTERNATIONAL LINKAGES

- 1) BNHCRC scholarship program is open, offers top-up and Full Scholarships (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.

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