INTRODUCTION TO THE BUSHFIRE AND NATURAL HAZARDS CRC

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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
BUSHFIRE AND NATURAL HAZARDS CRC
NEW ENTITY, NEW PARTNERS, NEW AGENDA
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) Approximately 50 partners:
   a) ~20 research organisations
   b) ~30 end user organisations
PARTICIPANTS - END-USERS OF RESEARCH
PARTICIPANTS - RESEARCH PROVIDERS

Australian Government
Geoscience Australia

The University of Melbourne

CQ University Australia

Victoria University

The Australian National University

James Cook University

Deakin University

Queensland University of Technology

University of Southern Queensland

The University of Sydney

Monash University

Charles Darwin University

University of New England

University of Wollongong

UTAS

Australian Government
Bureau of Meteorology

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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
WHAT ARE WE DOING?

All Hazard Research

- Incident Management
- Economics and Policy
- Communications and Warnings
- Mitigation
- Resilience
- Volunteering

Hazard Specific Research

- Fire
- Flood
- Cyclone
- Storm
- Earthquake
- Tsunami
- Heatwave
- Health and Pandemic
- Animal Disease
- Chemical
- Biological
- Radiological
- Terrorism

In scope

Out of scope
WHAT ARE WE DOING?

 Governance and Institutional Knowledge
 Economics and Strategic Decisions
 Scenarios and Loss Analysis

 Economics, Policy and Decision Making

 Disaster Resilient People, Infrastructure and Institutions

 Communication and Warnings
 Understanding and Measuring Social Resilience
 Hardening Buildings and Infrastructure

 Emergency Management Capability
 Sustainable Volunteering

 Coastal Management
 Next Generation Fire Modelling
 Prescribed Burning and Catchment Management

 Bushfire and Natural Hazard Risks

 2013-2017 Funding

INTERNATIONAL LINKAGES


UNISDR
The United Nations Office for Disaster Risk Reduction

IRDR
Integrated Research on Disaster Risk

ICSU
International Council for Science

ISSC
International Social Science Council

UN World Conference on Disaster Risk Reduction

NHRP
Natural Hazards Research Platform

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EDUCATION

1) BNHCRC scholarship program is open:
   a) Offers top-up, Full and Partial Scholarships
   b) Associate Studentships (invitation to networking events and travel support)

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!