

Challenged my paradigms...

- Leave EARLY or...
- PREPARE, Stay, and Defend

Before

After

An orange arrow points from the 'Before' image to the 'After' image.

California dreamin'...

- Build it and they will burn (2003)



Never
Again!!!

This slide features a satellite-style map of California with numerous red markers scattered across the state, primarily in the coastal and inland regions. The text 'California dreamin'...' is at the top in yellow, followed by a bullet point '• Build it and they will burn (2003)'. The phrase 'Never Again!!!' is written in white on the left side of the map.

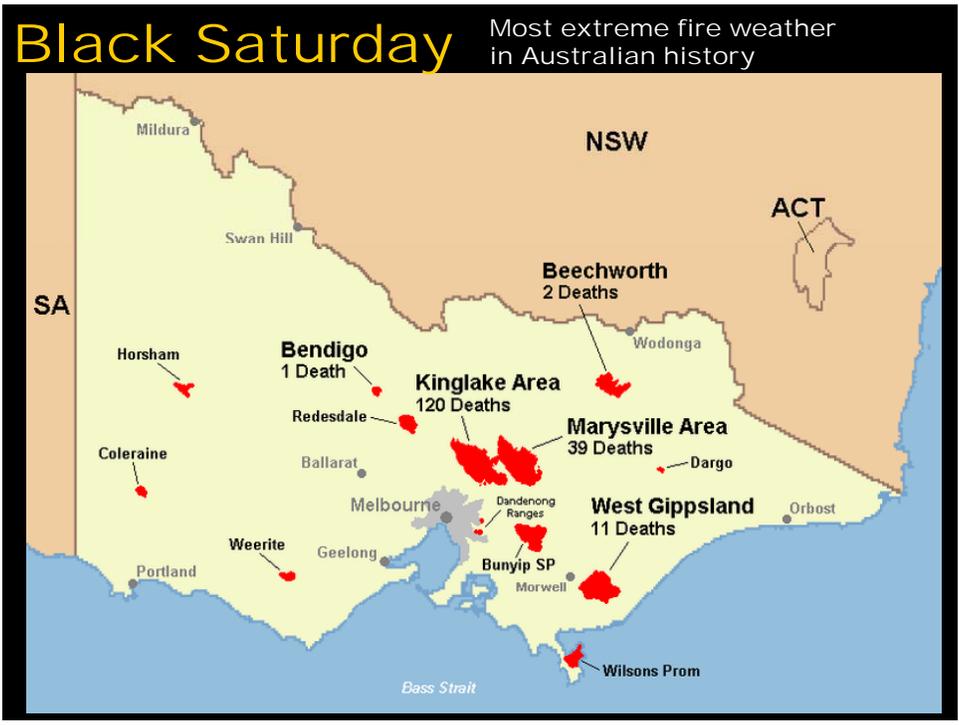
California dreamin'...

- Build it and they will burn (2007)



Never
Again!!!

This slide is identical in layout to the one above, but the bullet point indicates the year '2007'. The satellite map shows a similar distribution of red markers across California, with the text 'California dreamin'...' and 'Never Again!!!' remaining the same.



♪ I've seen fire... I've seen rain... ♪

- More damaging Queensland & New South Wales floods mostly overlooked



Better late than never...



Bushfire CRC Research

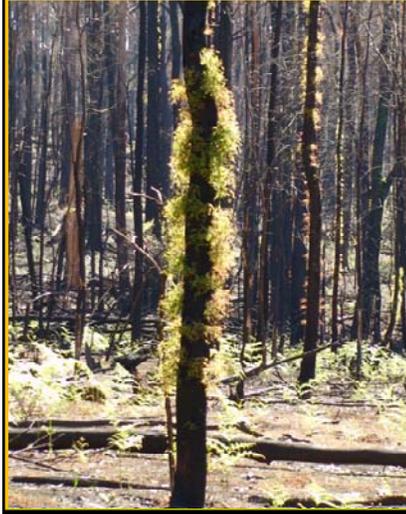


Social component

Biophysical component



Fires are necessary,
fire disasters are not...
If I ran the (holistic fire management) zoo...



Eucalyptus sprouting, Victoria

Former dining room



Need holistic approach



Breakdowns at
all levels

- Before the fire
 - Prevention
 - Mitigation
 - Preparation
- During the fire
 - ~~Response~~
 - Agencies
 - Residents
- After the fire
 - Recovery
 - Biophysical
 - Socioeconomic



We must
prepare the
battlefield!!!



Thanks Kate Dargan & Tonya Hoover!

Prevention • Education (passive)



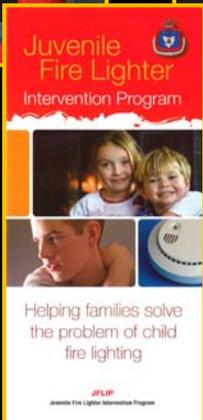
ABC Radio interview



GUIDELINES FOR DEVELOPMENT
IN BUSHFIRE PRONE AREAS
OF TASMANIA



Living through a bushfire
Bushfire restrictions
Preparing for bushfires



Juvenile Fire Lighter
Intervention Program

Helping families solve the problem of child fire lighting

LIVING WITH FIRE IN TASMANIA

Prevention • Education (active)



Bushfire Blitz, South Australia



Community Fire Safe, South Australia



"Firey" Women, South Australia

Prevention



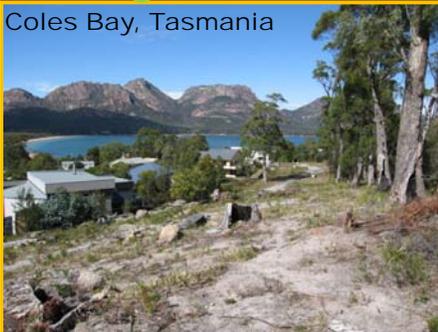
Cause of 2 fires at Cal Poly



- Eliminate ignition sources
 - Power lines
 - Rubbish burning
- Civil and criminal liability
 - Arsonist likely safer in jail

• Mitigation: Fuels Management

Coles Bay, Tasmania



- Landscape-level treatments
 - Agencies try to be "good neighbors"

Snug Tiers, Tasmania



- Irony in Victoria...
 - Deviant lawbreaker later seen as hero
 - "Pyro" fireys blamed for not enough fire
- Does NOTHING for individual structures

A land of extremes...

Stupid bogans wanna
pave the world, mate!

Dang greens like bushes
more than people!



Head scratcher...

- Greens largely HATED fire
- (even in fire-dependant ecosystems)



• *Appropriate Fuels Management*



- Landscaping-level more important
 - If you live in the bush, know that it burns



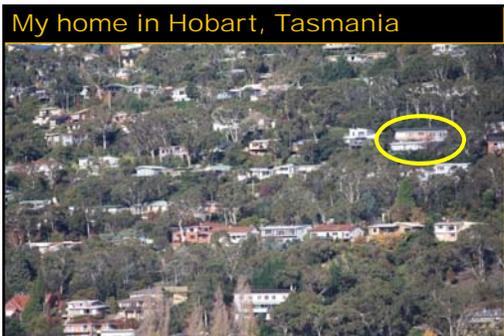
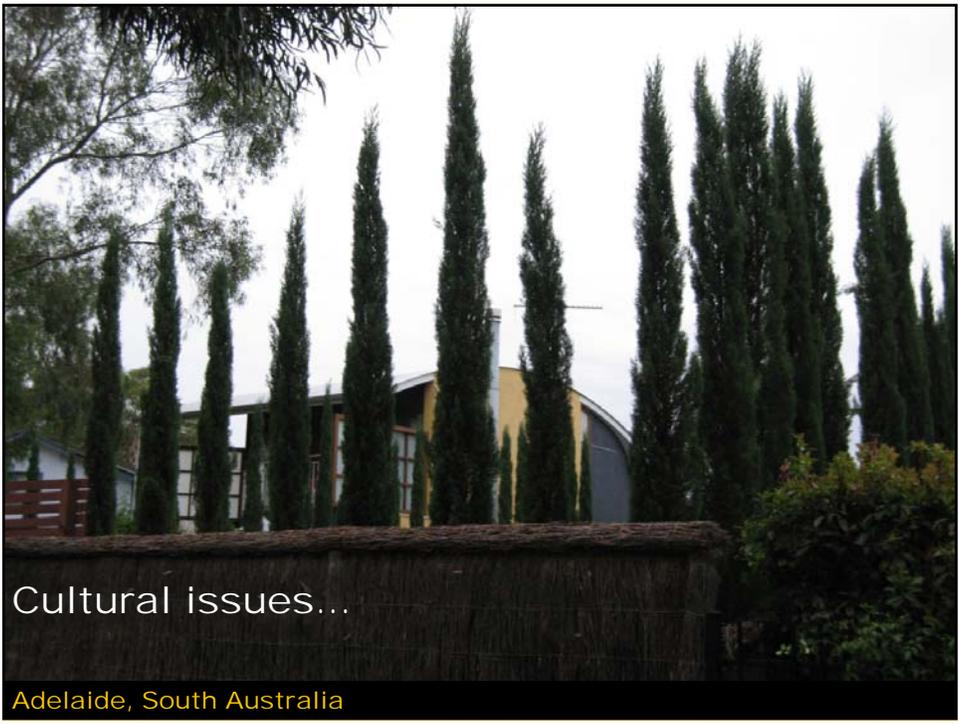
Embers ignite deck (ashtray catches some)



Embers melt sunroof and ignites interior

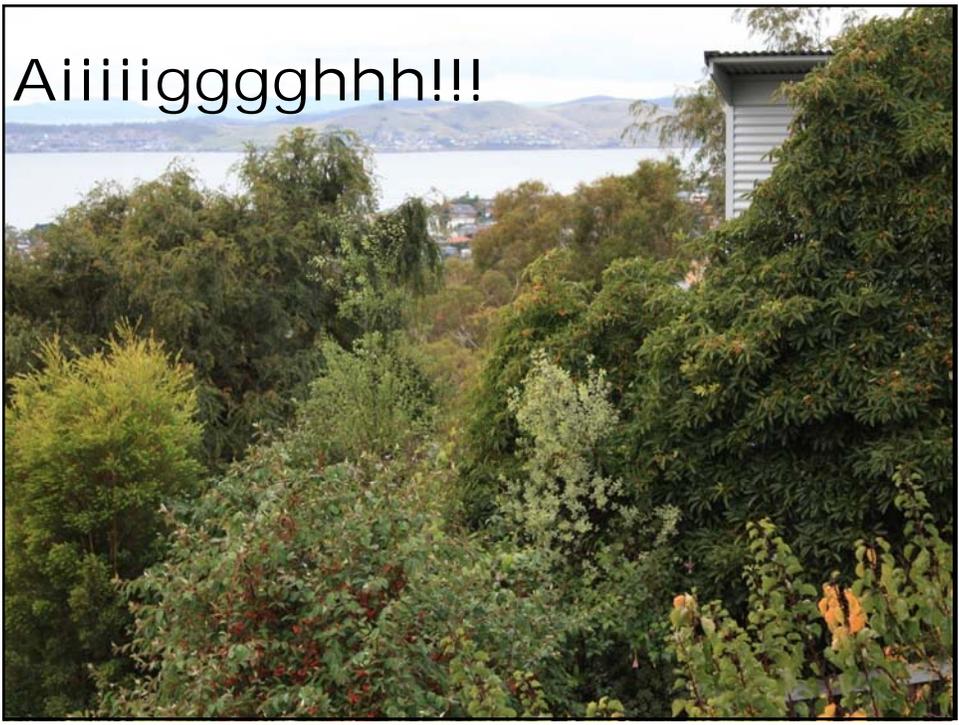
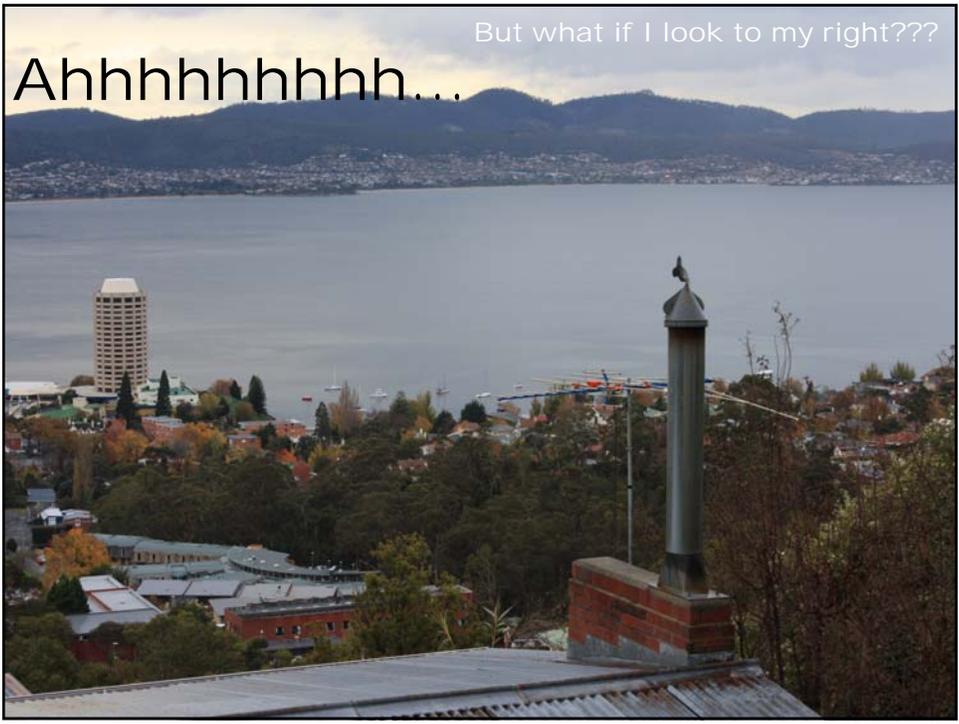
Mitigation: Construction standards

- Embers
 - Most roofs corrugated iron (with sprinklers)
 - "Mind the gap" not just for Sydney trains



Mitigation: Land Use Planning

- Tassy way
 - Roads BAD
 - Home density facilitates structure-to-structure
 - Homes overlook gorges
- 2 fires in last 10 years spook residents
 - (but not enough)
- Why live there?



A little delusional of risk...

Fire Hazzard Free???



Hobart, Tasmania (snow just melted)



Adelaide Hills, South Australia



Adelaide Hills, South Australia



Preparation



"Non-combustible" water tanks

- Training
 - Volunteer brigades with few drills
 - Residents *expected* to have bushfire plan
 - Some plain bad
- Infrastructure
 - Water
 - Communications
- Daily hazard
 - They didn't know in Marysville???



Response

- Agencies
 - No one in charge
 - CFA fights with Melbourne?
 - DSE lights backfires without CFA knowing?
 - Police act independent of CFA
- No warning
 - Marysville CFA received text 30 minutes before
 - Websites overwhelmed and outdated



Response

- Residents
 - Leave EARLY!!!
 - Many waited to see "just how bad it was going to be"
 - Some unlikely to change
- Common triggers?
 - Roar of fire
 - Ember storm
 - "Parrots started falling out of the sky"

- Residents
 - PREPARE, Stay, & Defend
 - Many prepared for *response* (and needlessly die)
 - How do you prepare mentally for fire???
 - Suggestion: Decisions based on Fire Index???
 - This is happening!!!

Response

Train wins 99.9999% of time



Successful defense by 76-year-old

Recovery

- Biogeophysical



Clean-up

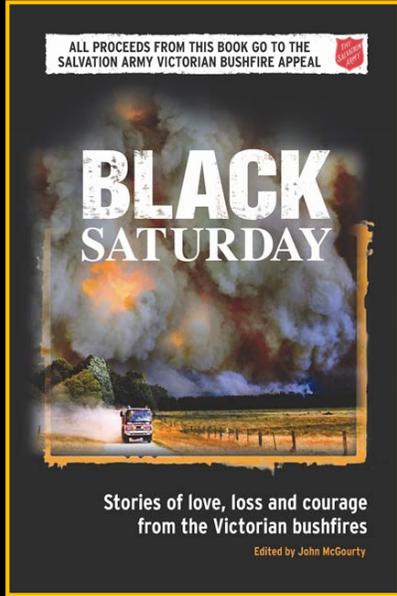


Rain threatens catchments



Rebuilding infrastructure

Recovery • Socioeconomic



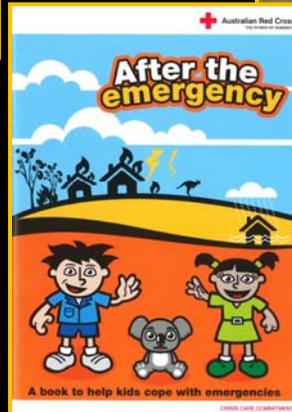
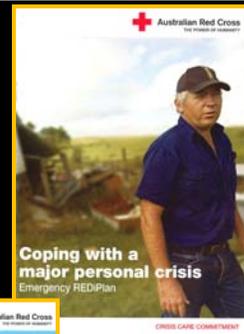
Plenty to help the masses



Recovery • Socioeconomic



Little to help individuals



Recovery



Where there is HOPE, there is LOVE.
Where there is LOVE, there is LIFE.
Where there is LIFE, there is . . . MARYSVILLE.

- Living with "What if"...

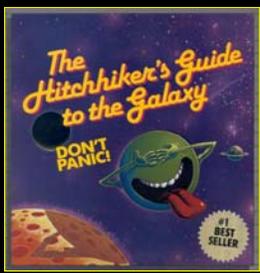


CFA Captain
Glen Fiske



Human beings, who are almost unique in having the ability to learn from the experience of others, are also remarkable for their apparent disinclination to do so.

-- Douglas Adams, 1952 - 2001



Hobart, Tasmania 2006



