


## Current and future research needs - DSE perspective

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### Current work

- Risk assessment for individual burns 
- Logic behind prescribed burning targets
- Changes in Code of Practice for Fire Management on Public Land

## Current and future needs - DSE perspective

### "Old" Code

- **Included 5 Fuel Management Zones**
  - Asset protection
  - Strategic Corridors
  - Broad fuel reduced area
  - Specific flora/fauna
  - Exclusion
- **Included fuel management objectives for each zone**



## Current and future needs - DSE perspective

### "New" Code

- **Includes 4 Fuel Management Zones**
  - Asset Protection
  - Strategic Wildfire Moderation
  - Ecological Management
  - Prescribed Burning Exclusion



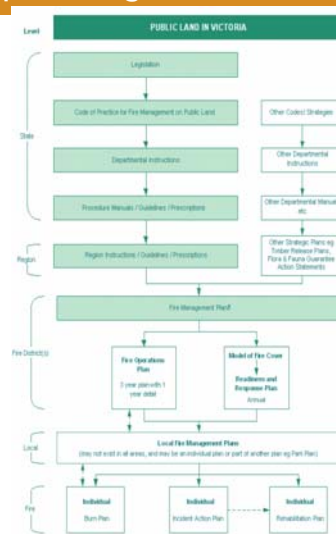
## Current and future needs - DSE perspective

### Finding the right balance



## Current and future needs - DSE perspective

### Framework for planning and conduct of Fire Management



## Current and future needs - DSE perspective

### Contents of a Fire Management Plan



## Current and future needs - DSE perspective

### Future research needs - fire prevention

- Strategic:
  - Better Fire Danger Rating System - direct fuel moisture inputs
  - More fire behaviour prediction models
  - How much/how big???? (strategic vs. random)
  - Fuel hazard
- Operational:
  - Smoke management, fuel moisture?
- Technology transfer



Future research needs - fire ecology

- Impact of Climate Change on vegetation communities distribution
- Fauna - vital attributes / life history
- Spatial distribution of fire for best biodiversity outcome (local vs. landscape)
- Improved monitoring - what to monitor, how frequently & for how long