

# Understanding trends in extreme wildfire

- Establishing baseline information on frequency
- Issues with background FDI
  - Humidity and wind...?
  - Drought factor...?
- Detection through satellite records
  - Automatic detection algorithm?
  - Robust counts of pyroCb

# Understanding trends in extreme wildfire

- Trends and projections in atmospheric instability
  - Humidity (again)!
  - C-Haines, (Fire)CAPE, TKE??
- Better representation of bushfire fuels
  - Multi-scale variations in fuel response?
  - Effects of heatwaves and extended drought?
- Extreme and dynamic fire behaviour
  - Mechanisms for extreme fire development
  - Coupled effects?