

FRANCE AND AUSTRALIA BUSHFIRE SCIENCE  
WORKSHOP

# Restoration of Forests Post-fire

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# In a Fire-Prone ecosystem, what needs to be Restored?

- The Fire Regime is Integral to the ecosystem (not anomalous)

so...

- In what sense does a recently burnt ecosystem require Restoration or Recovery?



Fire regime: Gill, 1975  
Landscape fire effects: Gill, 1998  
Ecological disturbance: Pickett and White, 1985;  
Plant functional attributes: Nobel and Slatyer, 1980



# In a Fire-Prone ecosystem, what needs to be Restored?



A eucalypt landscape one month after the 2020 Orroral Fire (near Canberra)



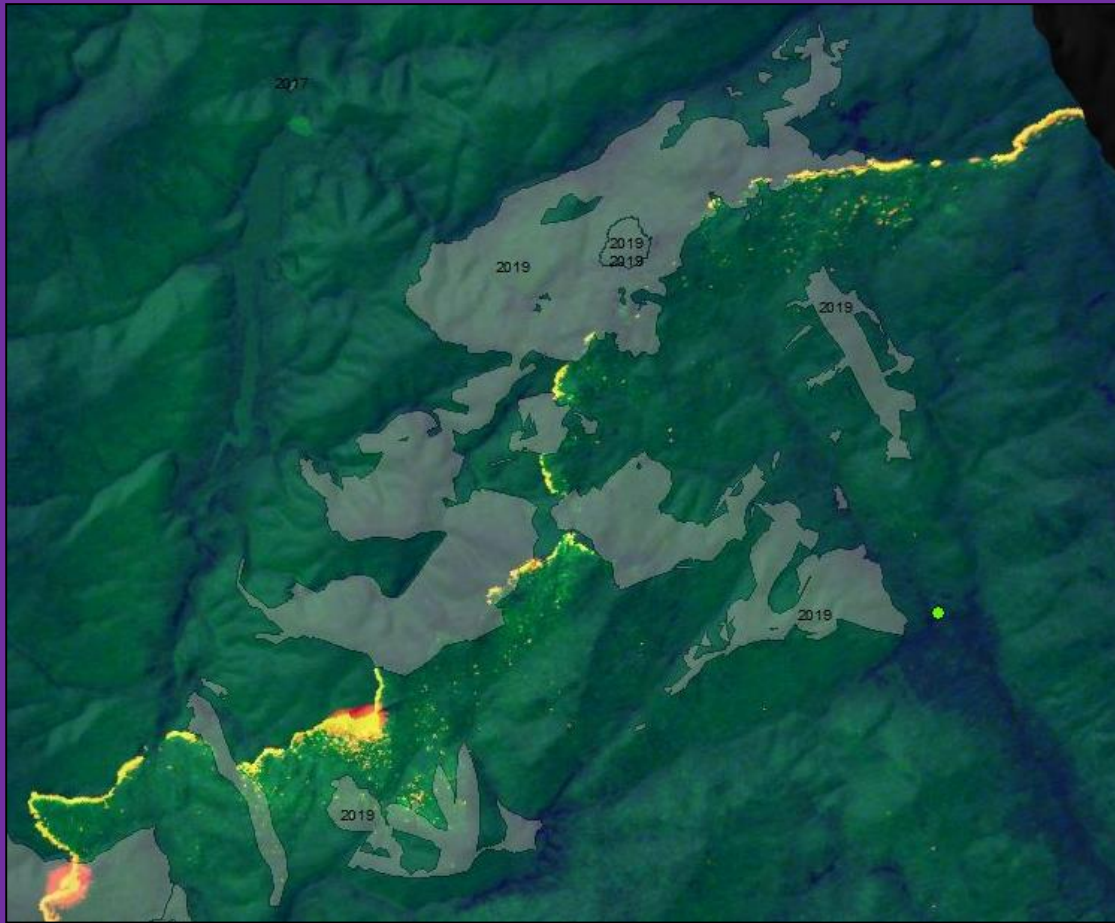
A prescribed burn conducted in April 2019; one year after burning.



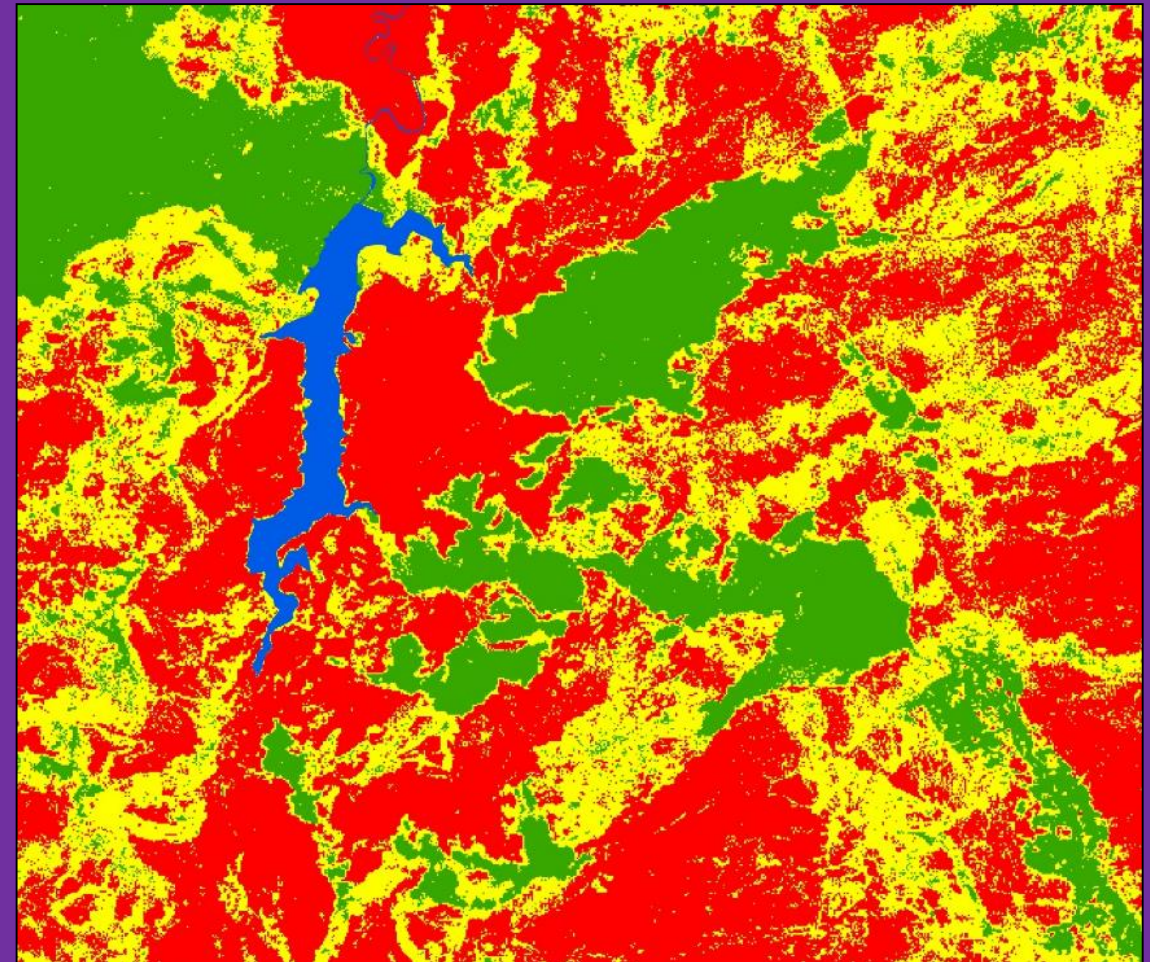
A canopy tree nine years after the 2003 Canberra Fire



# Modifying the Fire Regime by Prescribed Burning



Prescribed burn scar 2019 and Linescan, 2 February 2020



Fire severity map, 2020;  
Green = unburnt, yellow = low severity, red = high severity

# Burn Much More when the Bushfire Risk is Highest?

- Define the aims of land management
- Modify the fire regime to try to deliver the aims
- Can we maximise the Intersection between Prescribed Burning and Bushfire?

