Fire Impact & Risk Evaluation Decision Support Tool
F.I.R.E – D.S.T
BCRC - Research Advisory Forum (Canberra Oct 2011)

Ian French Geoscience Australia
Justin Leonard CSIRO – Climate Adaptation Flagship
Mick Meyer CSIRO – Marine & Atmos. Research
Kevin Tolhurst University of Melbourne
Jeff Kepert/Kevin Tory Bureau of Meteorology

Phase 1 – Tool box Development/Sensitivity Analysis/Case Studies

1. Characterisation of Fire Weather Extremes

2. Terrain Modified Winds/Temps/Hum

3. Interface Fuel Characterisation

4. Fire Characterisation Model (Phoenix RapidFire)

5. Smoke Dispersion & Concentration

6. Suppression Model (simple direct attack)

7. Exposure Definition

8. Vulnerability Modelling (Houses, Infrastructure, People)

9. Impact Modelling (Houses, People)

10. Risk (Direct Loss) Quantification

11. Fire Impact & Risk Evaluation Decision Support Tool

12. Website development

13. Industry Training & Development

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BCRC-RAF     FIRE-DST
October 26th (University House)

10:40am FIRE-DST - Overview
   Bob Cechet (Geoscience Australia)
   Ralph Smith (FESA, Western Australia)

10:50am FIRE-DST - Vulnerability & Data structure
   Ian French (Geoscience Australia)

11:10am Vulnerability determination
   Justin Leonard (CSIRO Climate Adaptation F’ship)

11:25am Interface fuel characterisation
   Phil Zylstra (NSW Office of Env. & Heritage)

11.40am Regional/local impacts - bushfire smoke dispersion
   Mick Meyer (CSIRO Marine & Atmos. Research)