

## Supplementary material

### Large eddy simulation of atypical wildland fire spread on leeward slopes

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#### **namelist.input.fcf13**

This is the namelist.input file used in the FCF13 simulation and should be located in the `./WRF/run/` directory. The other atmosphere-fire simulations can be replicated by varying either the `fire_atm_feedback` or `fire_fuel_cat` options.

#### **module\_initialize\_fire.F**

This is the file used to initialise the model for each of the coupled atmosphere-fire simulations and should be located in the `./WRF/dyn_em/` directory. This file should be used in place of the original when the WRF model is compiled with the `em_fire` option. A search of the string "ccs" will show the changes made to the original file.