Hypothesized model

Snowmelt timing

- No precipitation
- Precipitation
  - Snowfall
  - Rainfall

Temperature
Relative humidity

Snow disappearance timing

Precipitation
Rainfall

FFMC
DMC
DC
CAPE
Relative humidity
Temperature

Ignition timing

All ecoregions (n = 299)

Snowmelt timing

- No precipitation
- Precipitation
  - Snowfall
  - Rainfall

Temperature
Relative humidity

Snow disappearance timing

Precipitation
Rainfall

FFMC
DMC
DC
CAPE
Relative humidity
Temperature

Ignition timing

Fire weather
M-R^2 = 0.14
C-R^2 = 0.14

Weather
M-R^2 = 0.34
C-R^2 = 0.36