Variable Relationship Diagram for: EM-861/Artificial Intelligence for Ecosystem Services (ARIES); Carbon storage, Santa Fe, New Mexico

PD: Predictor Variables - Time- or Space-Varying

PC: Predictor Variables - Constant or Parameter

IE: Intermediate Variables - in ESML

IN: Intermediate Variables - Not in ESML

RC: Response Variables - Computed

RM: Response Variables - Observed

Variable units, if available, are given in brackets following variable name. Arrows denote that one variable (or variables, if gathered within a box) is required for computation of the other. Arrow with broken line shows reverse flow, such as when a response is used to calibrate, to statistically estimate or to dynamically update a predictor.

*Asterisk indicates that data for multiple runs of this EM are present in ESML; the value of a variable that is marked with an asterisk changes to define run conditions.
‡Double dagger denotes a variable whose value is constant with respect to a driving class variable (such as when derived from a lookup table).

PD: Ecofloristic region

PD: Frontier forests

PD: Continent

PD: Fire perimeters [ha]

PD*: Land cover

PC‡: Above ground vegetation biomass [t/ha]

PC‡: Below ground root biomass [t/ha]

PD: Soil carbon [t/ha]

RC: Vegetation biomass carbon storage [t/ha]

RC: Carbon storage [t/ha]