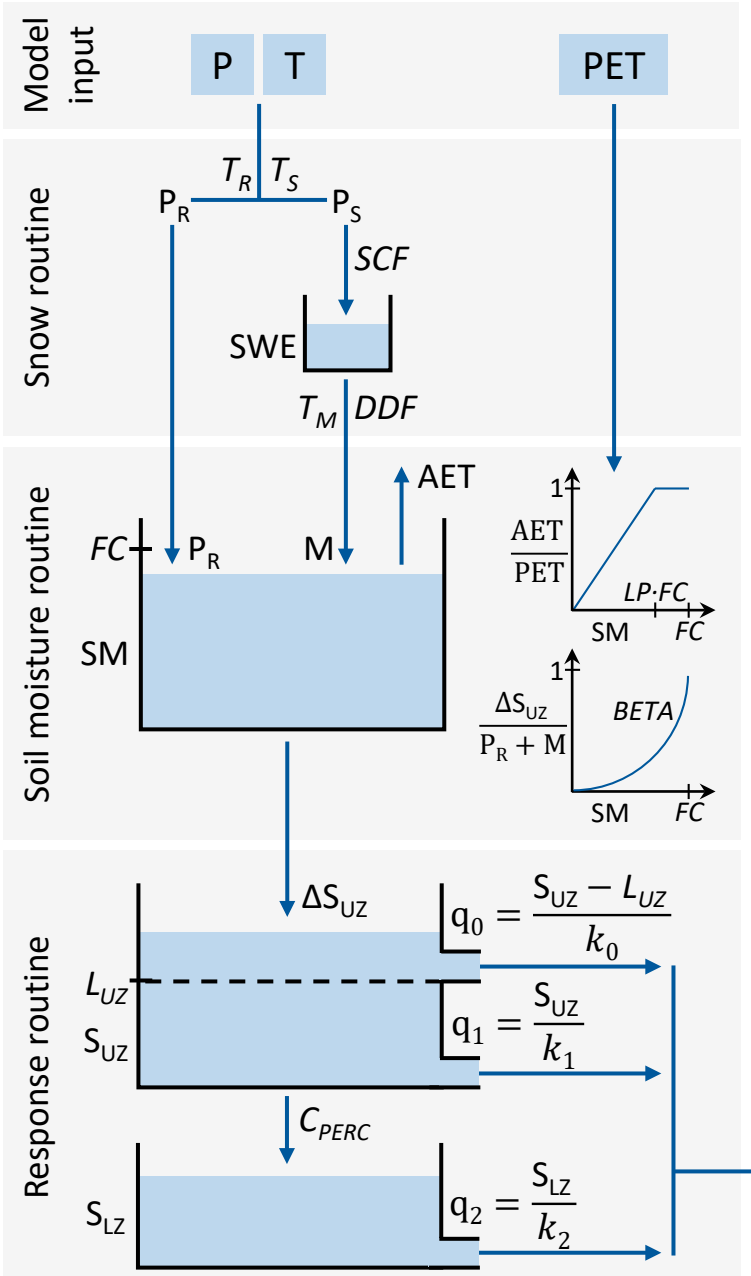

Model *parameters* and variables

P – Precipitation
T – Temperature
PET – Potential evapotranspiration
T_R – Threshold temperature for rainfall
T_S – Threshold temperature for snowfall
P_R – Rainfall
P_S – Snowfall
SCF – Snow correction factor
SWE – Snow water equivalent
T_M – Threshold temperature for snowmelt
DDF – Degree day factor
FC – Maximum soil moisture storage
SM – Soil moisture
M – Snowmelt
AET – Actual evapotranspiration
LP – Limit for PET
BETA – Nonlinearity parameter
S_{UZ} – Upper storage zone
L_{UZ} – Threshold storage state
S_{LZ} – Lower storage zone
C_{PERC} – Constant percolation rate
q_0 – very fast runoff
q_1 – fast runoff
q_2 – slow runoff
k_0 – storage coefficient for very fast response
k_1 – storage coefficient for fast response
k_2 – storage coefficient for slow response
B_{MAX} – Maximum base at low flows
C_{ROUTE} – Free scaling parameter
Q – Runoff