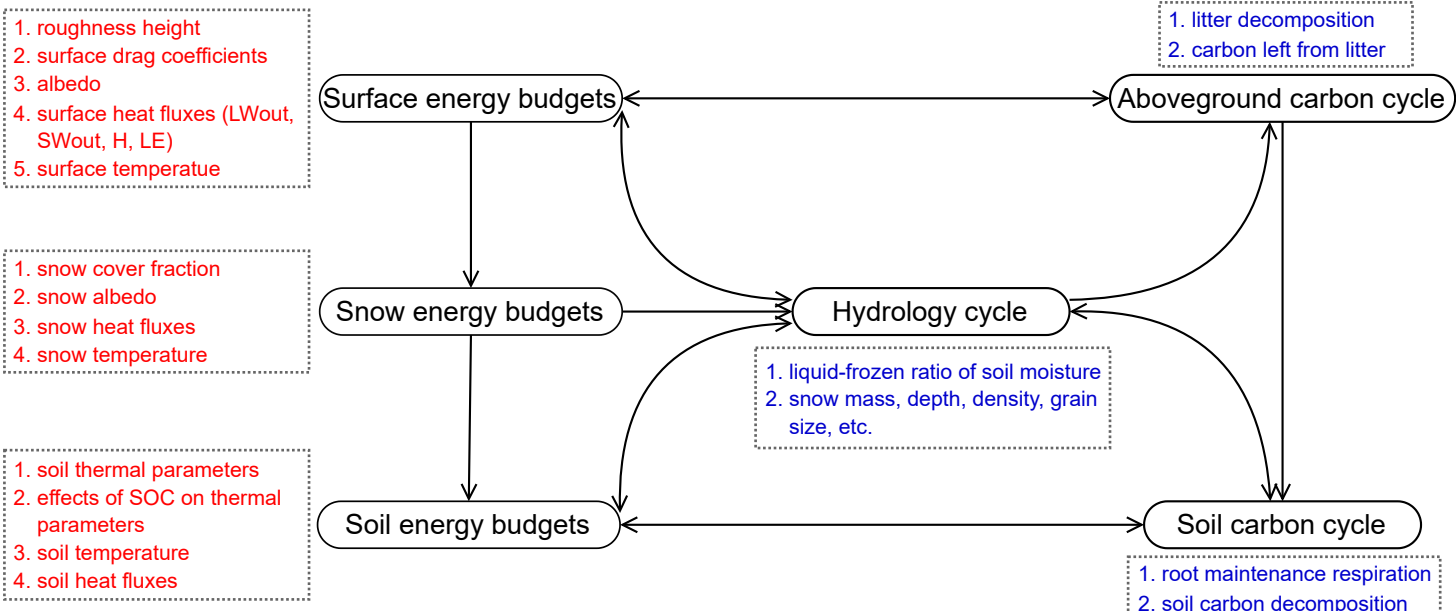
1. roughness height
2. surface drag coefficients
3. albedo
4. surface heat fluxes (LWout, SWout, H, LE)
5. surface temperatue
1. litter decomposition
2. carbon left from litter
Surface energy budgets
Aboveground carbon cycle
1. snow cover fraction
2. snow albedo
3. snow heat fluxes
4. snow temperature
Snow energy budgets
Hydrology cycle
1. liquid-frozen ratio of soil moisture
2. snow mass, depth, density, grain size, etc.
1. soil thermal parameters
2. effects of SOC on thermal parameters
3. soil temperature
4. soil heat fluxes
Soil energy budgets
Soil carbon cycle
1. root maintenance respiration
2. soil carbon decomposition