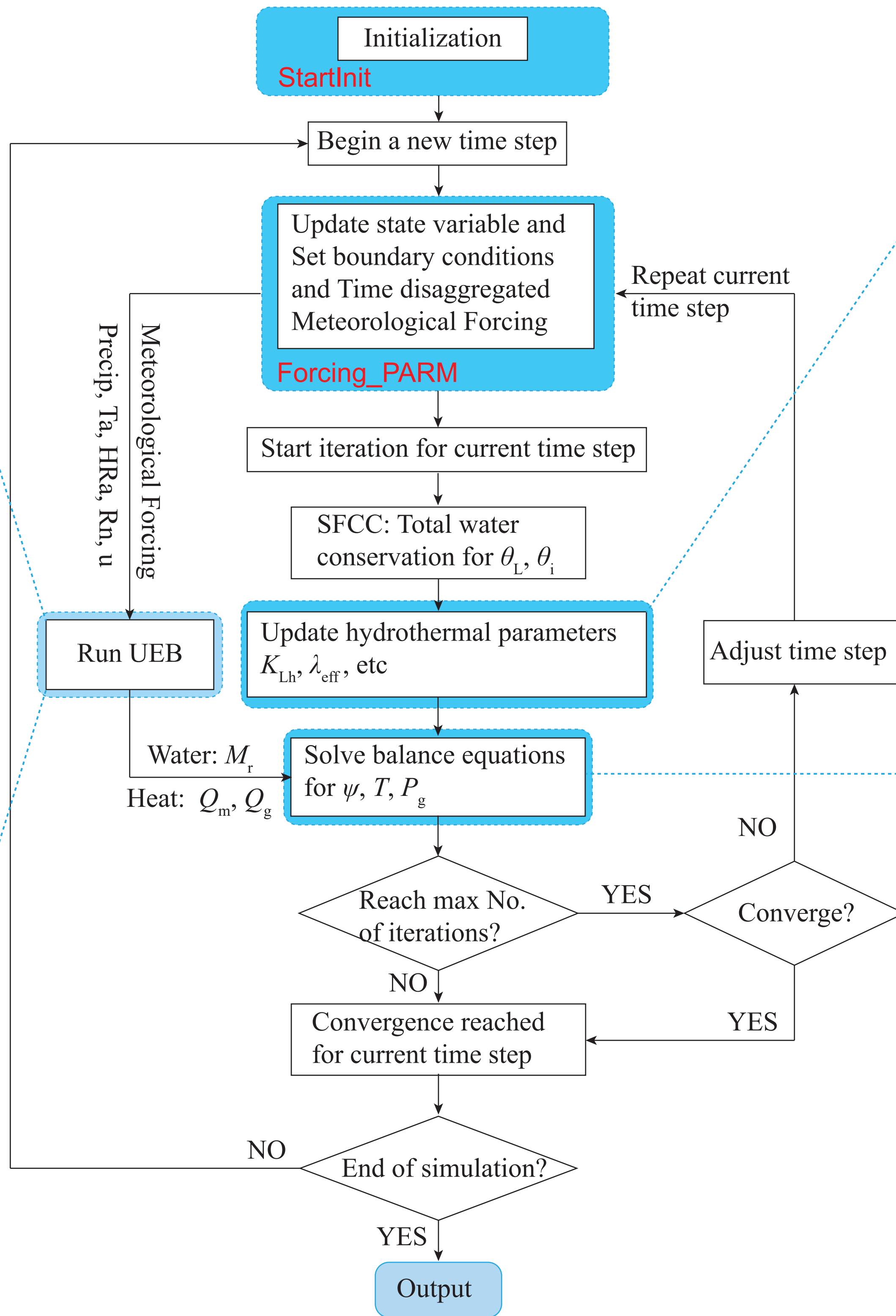
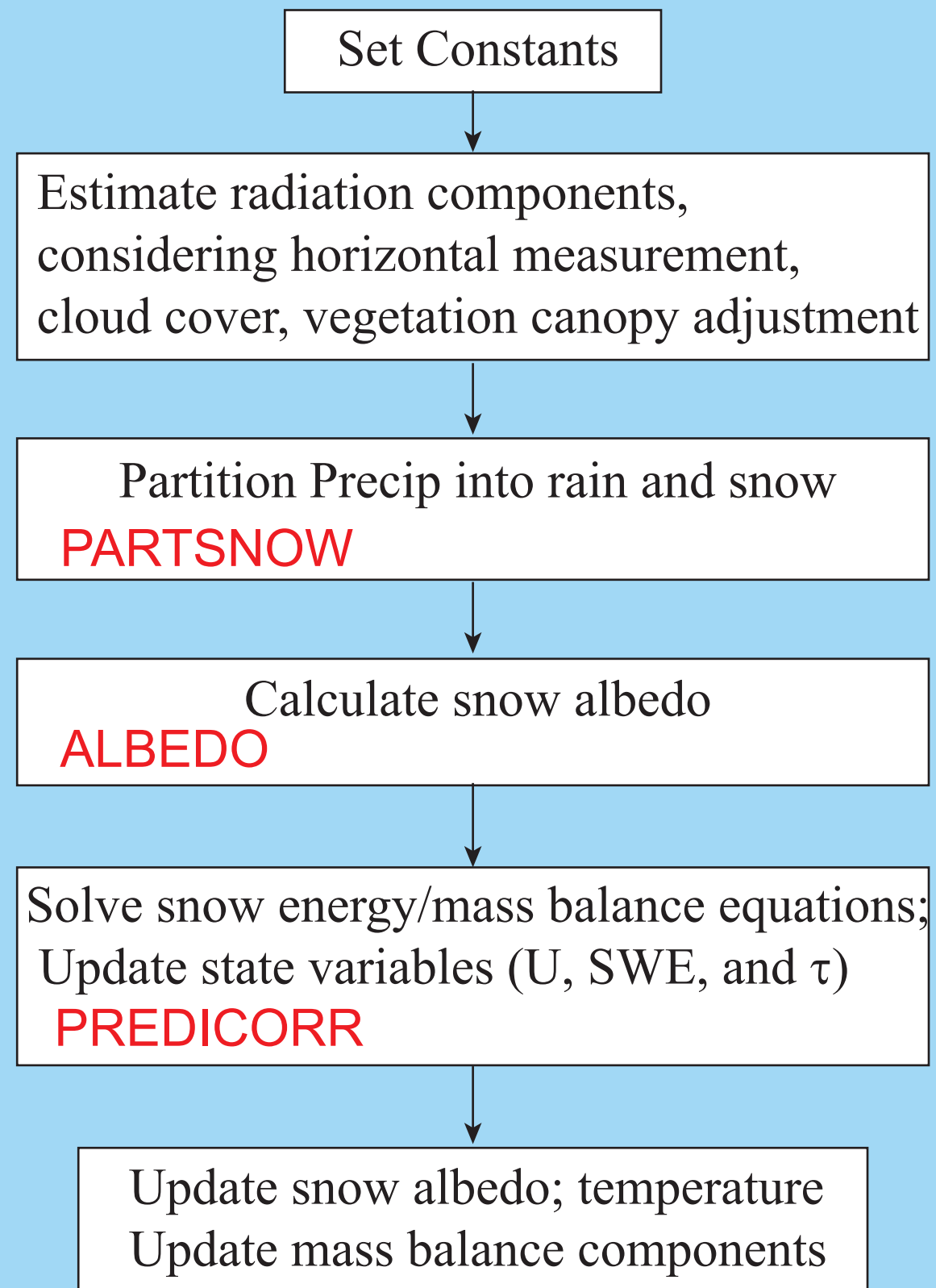


Main Framework



UEB snow module



STEMMUS-FT soil module

Update hydrothermal parameters

1. Soil hydraulic conductivity K ; thermal properties C, λ_{eff}
CondL_h, CondT_coeff, EfeCapCond
2. Vapor density, ρ_v ; diffusivity, D_v ; dispersivity, D_{vg}
Density_V, CondV_DE, CondV_DVg
3. Transport coefficient for adsorbed liquid flow (heat of wetting), D_{TD}
CondL_Tdisp
4. Dry air density, ρ_{da} ; Gas conductivity, k_g
Density_DA, Condg_k_g

Solve balance equations for ψ, T, P_g

