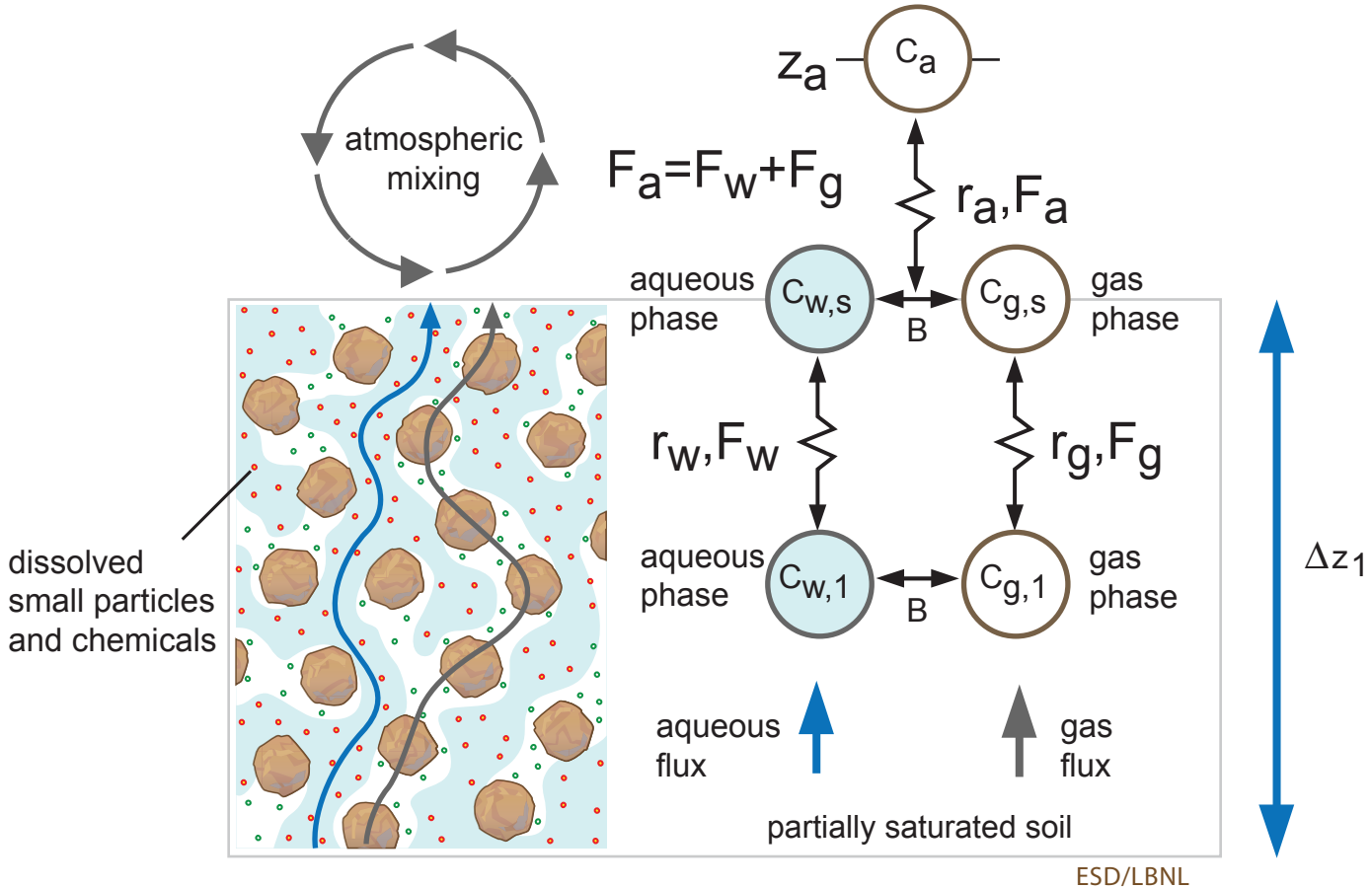
atmospheric mixing
z_a
C_a
$F_a=F_w+F_g$
r_a,F_a
aqueous phase
$C_{w,s}$
B
$C_{g,s}$
gas phase
r_w,F_w
r_g,F_g
aqueous phase
$C_{w,1}$
B
$C_{g,1}$
gas phase
Δz_1
dissolved small particles and chemicals
aqueous flux
gas flux
partially saturated soil
ESD/LBNL