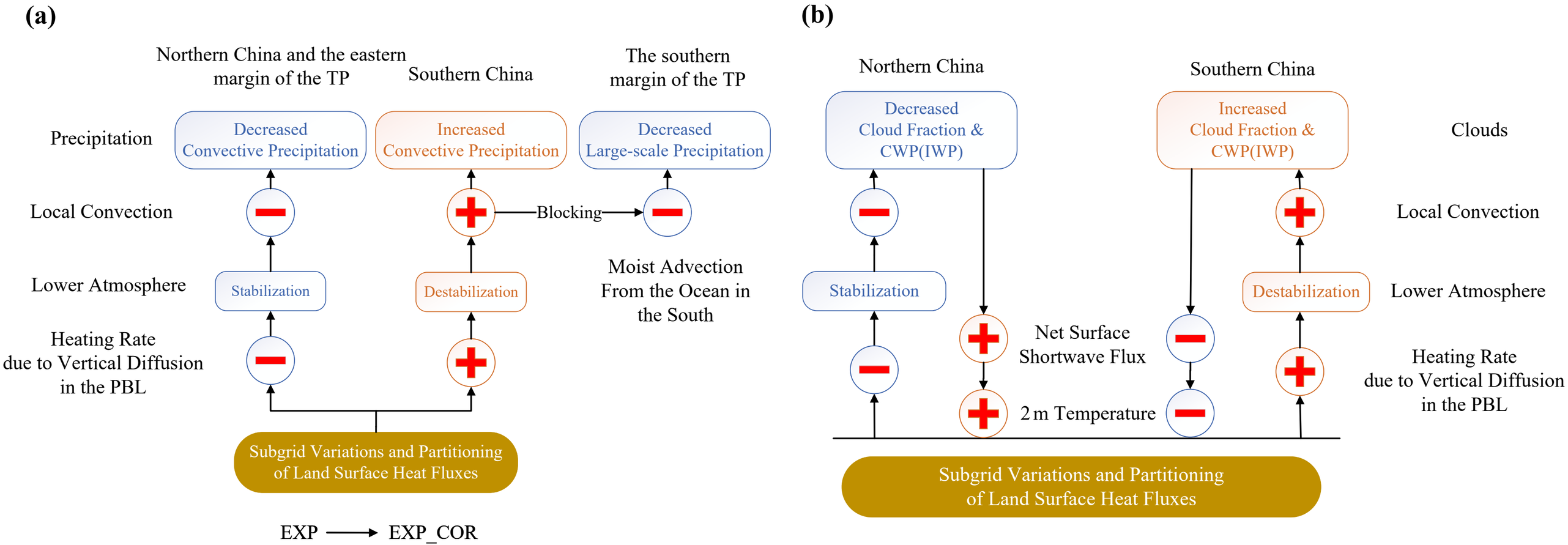
(a)
Northern China and the eastern margin of the TP
Southern China
The southern margin of the TP
Precipitation
Decreased Convective Precipitation
Increased Convective Precipitation
Decreased Large-scale Precipitation
Local Convection
Blocking
Lower Atmosphere
Stabilization
Destabilization
Moist Advection From the Ocean in the South
Heating Rate due to Vertical Diffusion in the PBL
Subgrid Variations and Partitioning of Land Surface Heat Fluxes
EXP
EXP_COR
(b)
Northern China
Southern China
Decreased Cloud Fraction & CWP(IWP)
Increased Cloud Fraction & CWP(IWP)
Clouds
Local Convection
Stabilization
Destabilization
Lower Atmosphere
Net Surface Shortwave Flux
2 m Temperature
Heating Rate due to Vertical Diffusion in the PBL
Subgrid Variations and Partitioning of Land Surface Heat Fluxes