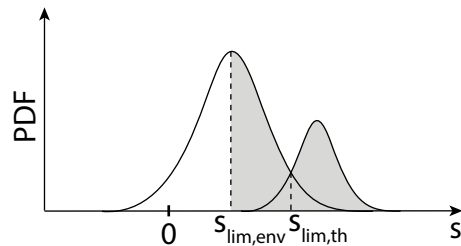
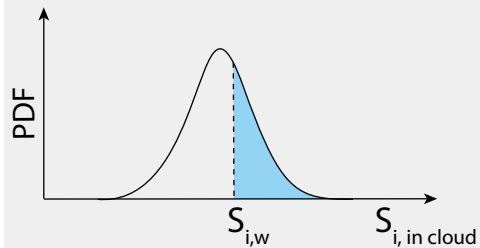


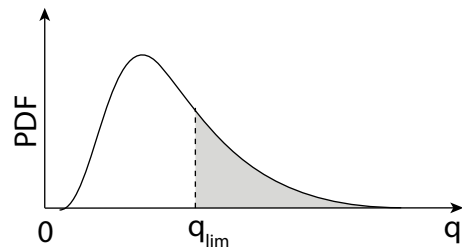
Coupled clouds



Cloud phase partitioning



Decoupled clouds



$$\langle S_i \rangle = f(\bar{w}, d_{th}, e_{th}, S_{i,th}, M_1)$$

$$\sigma_s = f(TKE, M_1)$$

$$\rightarrow \text{in cloud } q_i, q_i, q_v$$

