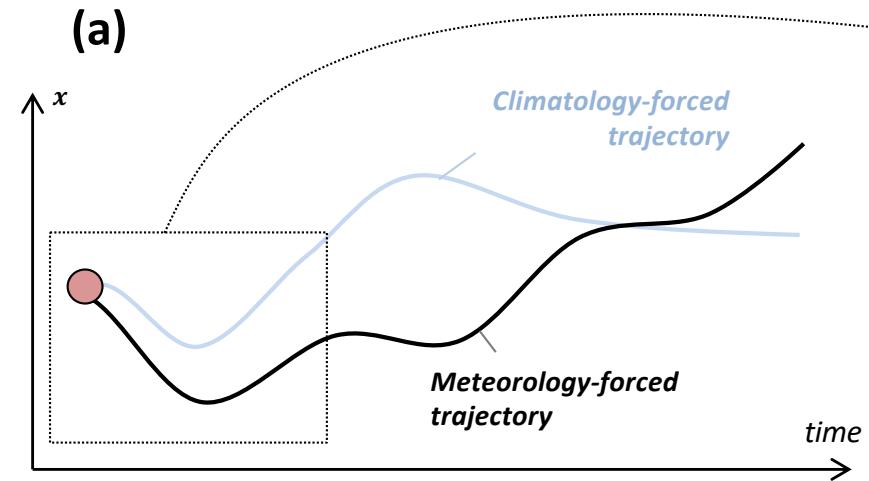
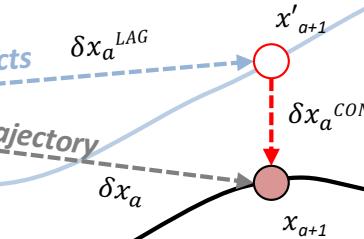
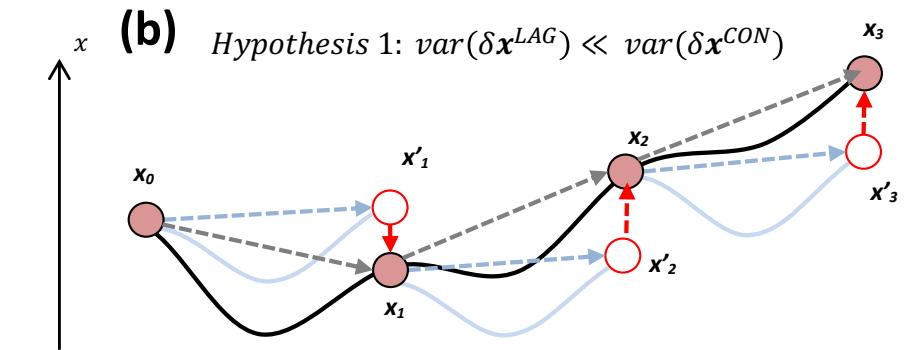
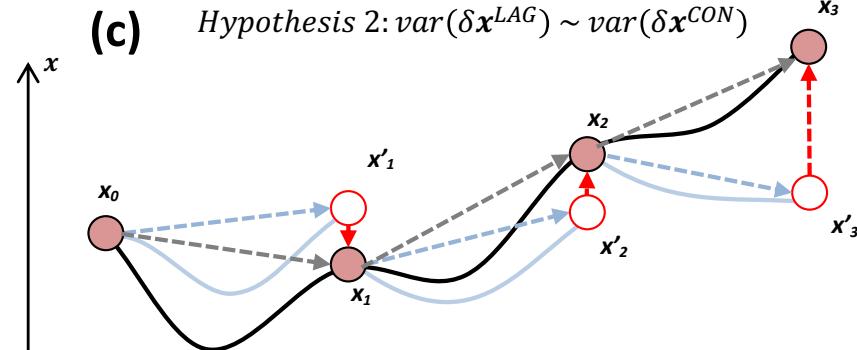


(a)

$$\delta x_a = \delta x_a^{LAG} + \delta x_a^{CON}$$

*Lagged effects**State trajectory* δx_a **(b)**Hypothesis 1: $\text{var}(\delta x^{LAG}) \ll \text{var}(\delta x^{CON})$  $\Delta x/\Delta t$

- δx
- δx^{LAG}
- δx^{CON}

*time***(c)**Hypothesis 2: $\text{var}(\delta x^{LAG}) \sim \text{var}(\delta x^{CON})$  $\Delta x/\Delta t$

- δx
- δx^{LAG}
- δx^{CON}

time