Mead - irrigated continuous maize site (Site ID: US-Ne1 PFT: CRO KG: Dfa)

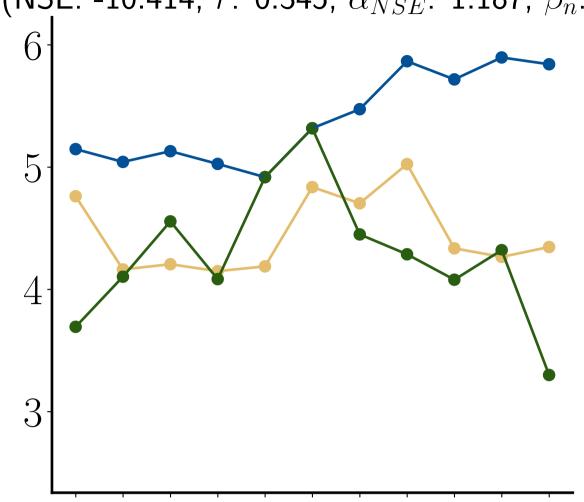
(a) Per site-year parameterization

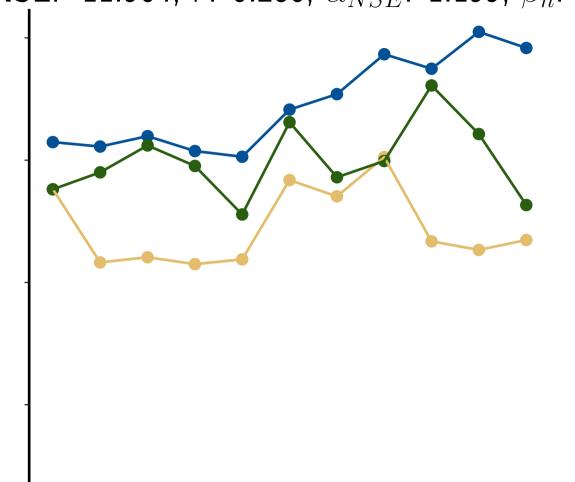
(b) Per site parameterization using Cost^{IAV}

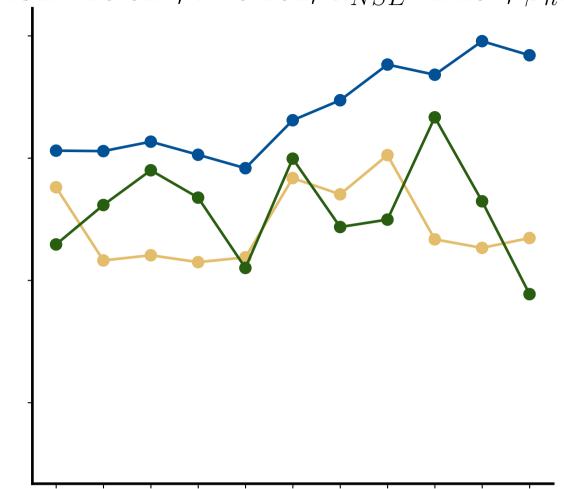
$\mathsf{P}^\mathsf{W}_\mathsf{hr}$: (NSE: -2.808, r: 0.148, α_{NSE} : 1.733, β_n : -0.564) $\mathsf{P}^\mathsf{W}_\mathsf{hr}$: (NSE: -4.012, r: 0.066, α_{NSE} : 0.974, β_n : 1.787)

(c) Per site parameterization

 $\mathsf{P}^\mathsf{W}_\mathsf{hr}$: (NSE: -1.92, r: -0.025, α_{NSE} : 1.295, β_n : 0.424) P_{hr} : (NSE: -10.414, r: 0.345, α_{NSE} : 1.187, β_n : 3.135) P_{hr} : (NSE: -11.964, r: 0.286, α_{NSE} : 1.199, β_n : 3.349) P_{hr} : (NSE: -10.324, r: 0.261, α_{NSE} : 1.184, β_n : 3.089)







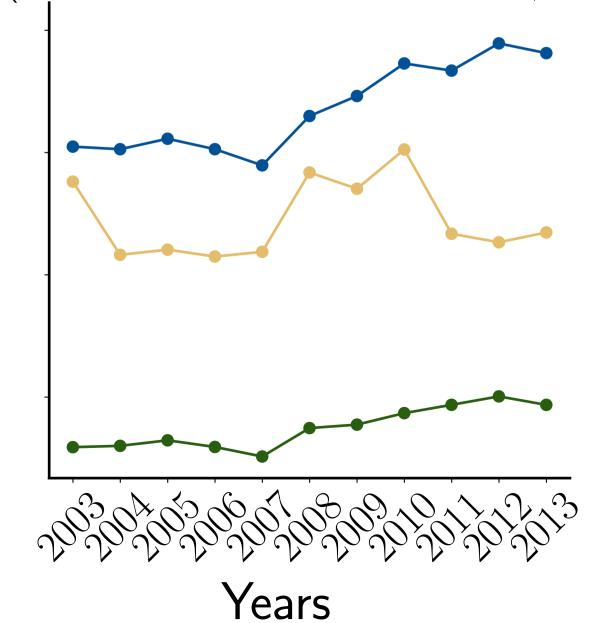
(d) Per PFT parameterization

 P_{hr} : (NSE: -10.372, r: 0.261, α_{NSE} : 1.189, β_n : 3.095) P_{hr} : (NSE: -9.783, r: 0.272, α_{NSE} : 1.154, β_n : 3.013)



(e) Global parameterization

 $\mathsf{P}^\mathsf{W}_\mathsf{hr}$: (NSE: -15.763, r: 0.204, α_{NSE} : 0.643, β_n : -3.951) $\mathsf{P}^\mathsf{W}_\mathsf{hr}$: (NSE: -32.088, r: 0.211, α_{NSE} : 0.537, β_n : -5.659)





- GPP_{sim} by P_{hr} model
- GPP_{sim} by $\mathsf{P}^\mathsf{W}_\mathsf{hr}$ model

average