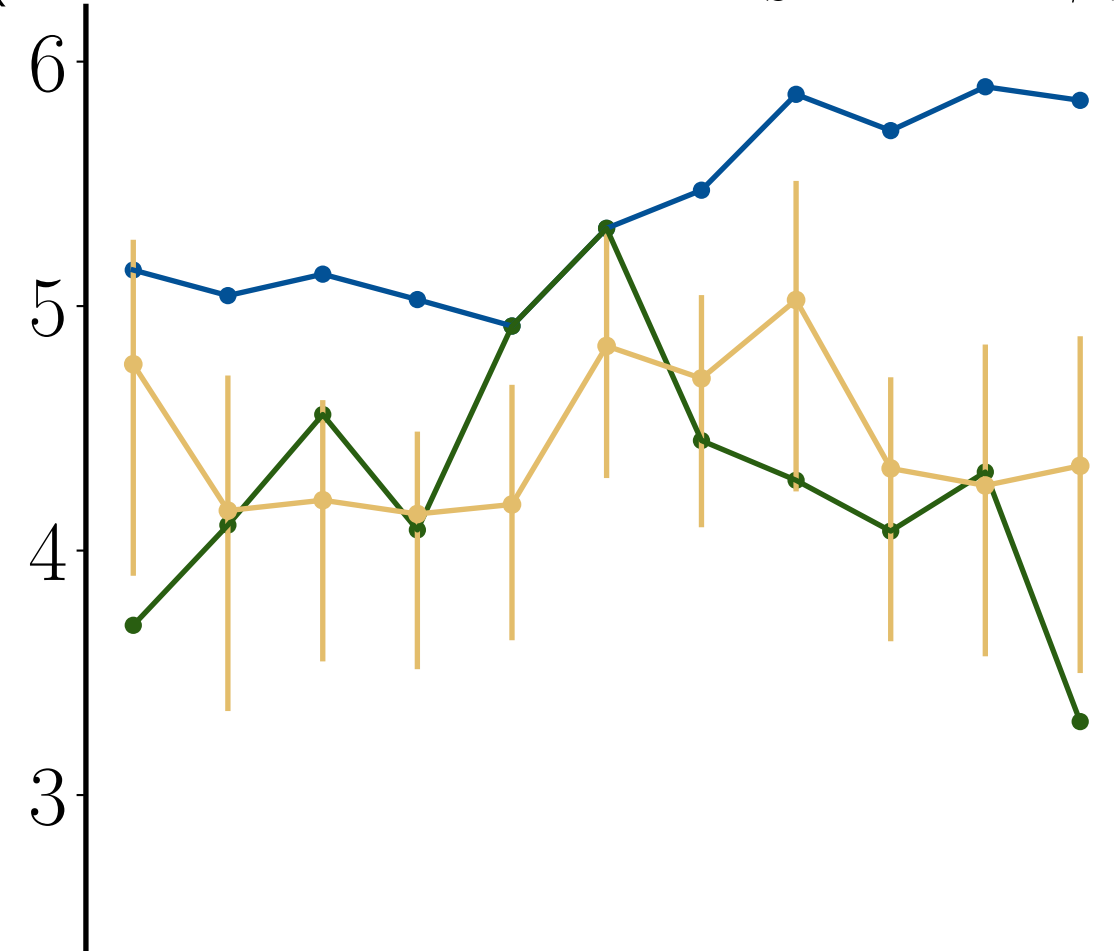


# Mead - irrigated continuous maize site (Site ID: US-Ne1 PFT: CRO KG: Dfa)

Annual average GPP  
[ $\mu\text{mol CO}_2 \cdot \text{m}^{-2} \cdot \text{s}^{-1}$ ]

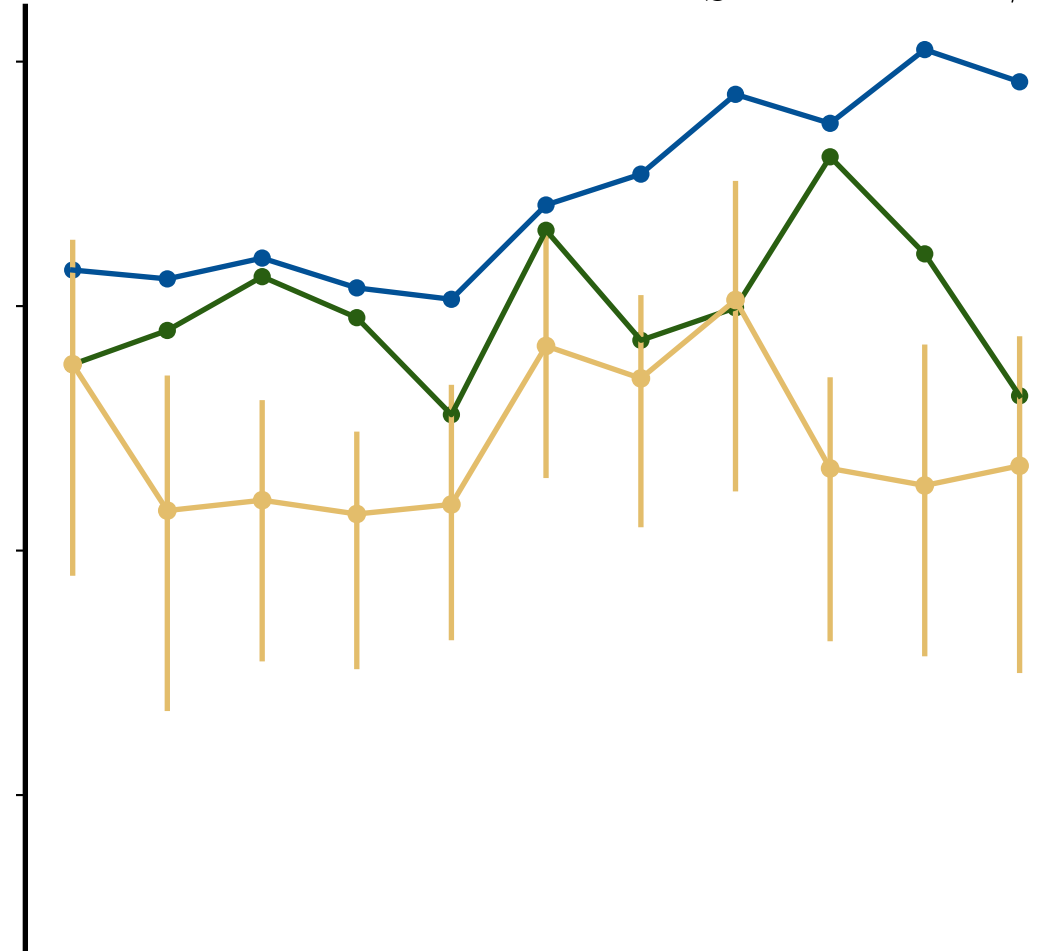
(a) Per site-year parameterization

$P_{\text{hr}}^{\text{W}}$ : (NSE: -2.808,  $r$ : 0.148,  $\alpha_{\text{NSE}}$ : 1.733,  $\beta_n$ : -0.564)  
 $P_{\text{hr}}$ : (NSE: -10.414,  $r$ : 0.345,  $\alpha_{\text{NSE}}$ : 1.187,  $\beta_n$ : 3.135)



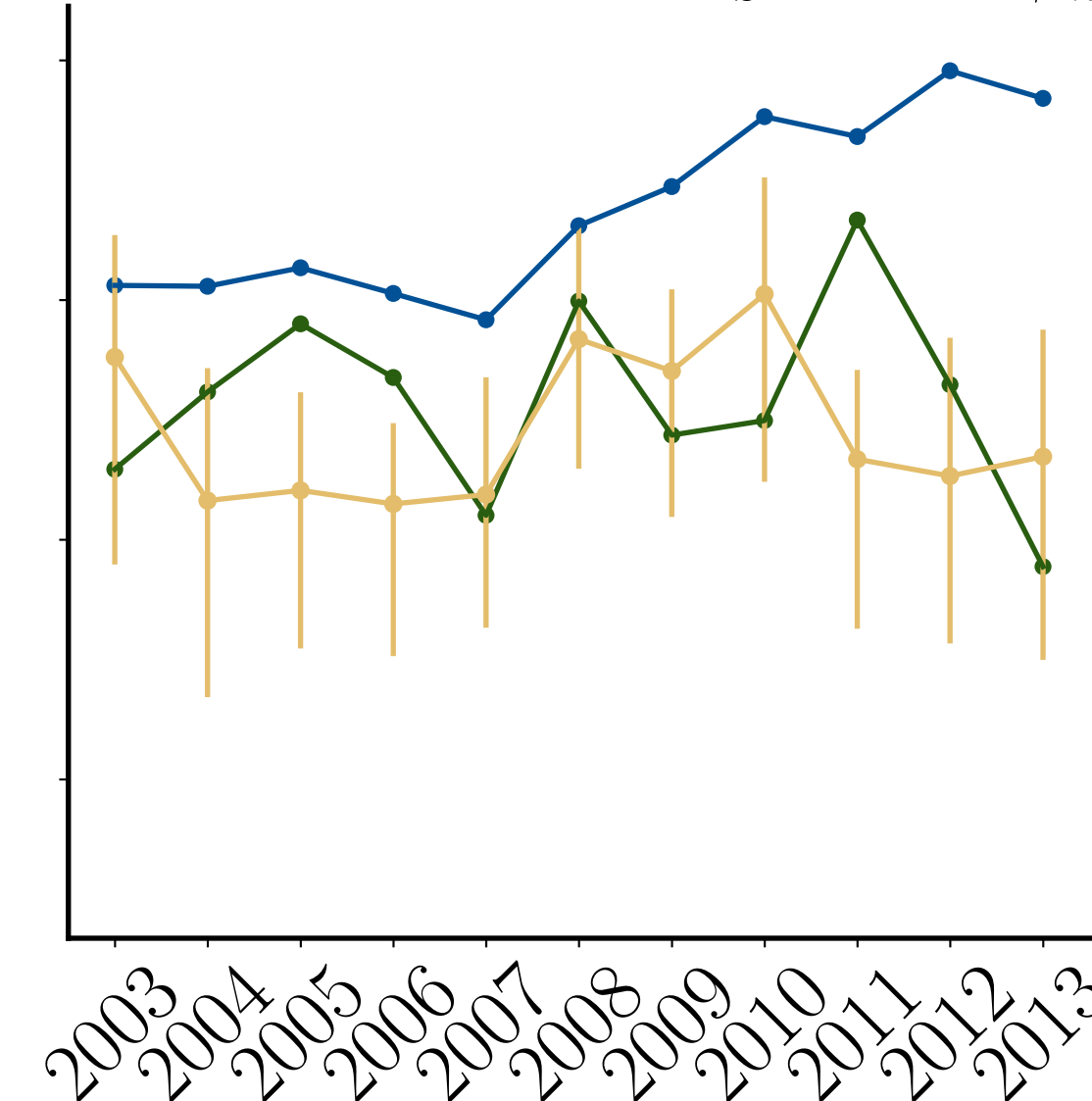
(b) Per site parameterization using  $\text{Cost}^{\text{IAV}}$

$P_{\text{hr}}^{\text{W}}$ : (NSE: -4.012,  $r$ : 0.066,  $\alpha_{\text{NSE}}$ : 0.974,  $\beta_n$ : 1.787)  
 $P_{\text{hr}}$ : (NSE: -11.964,  $r$ : 0.286,  $\alpha_{\text{NSE}}$ : 1.199,  $\beta_n$ : 3.349)



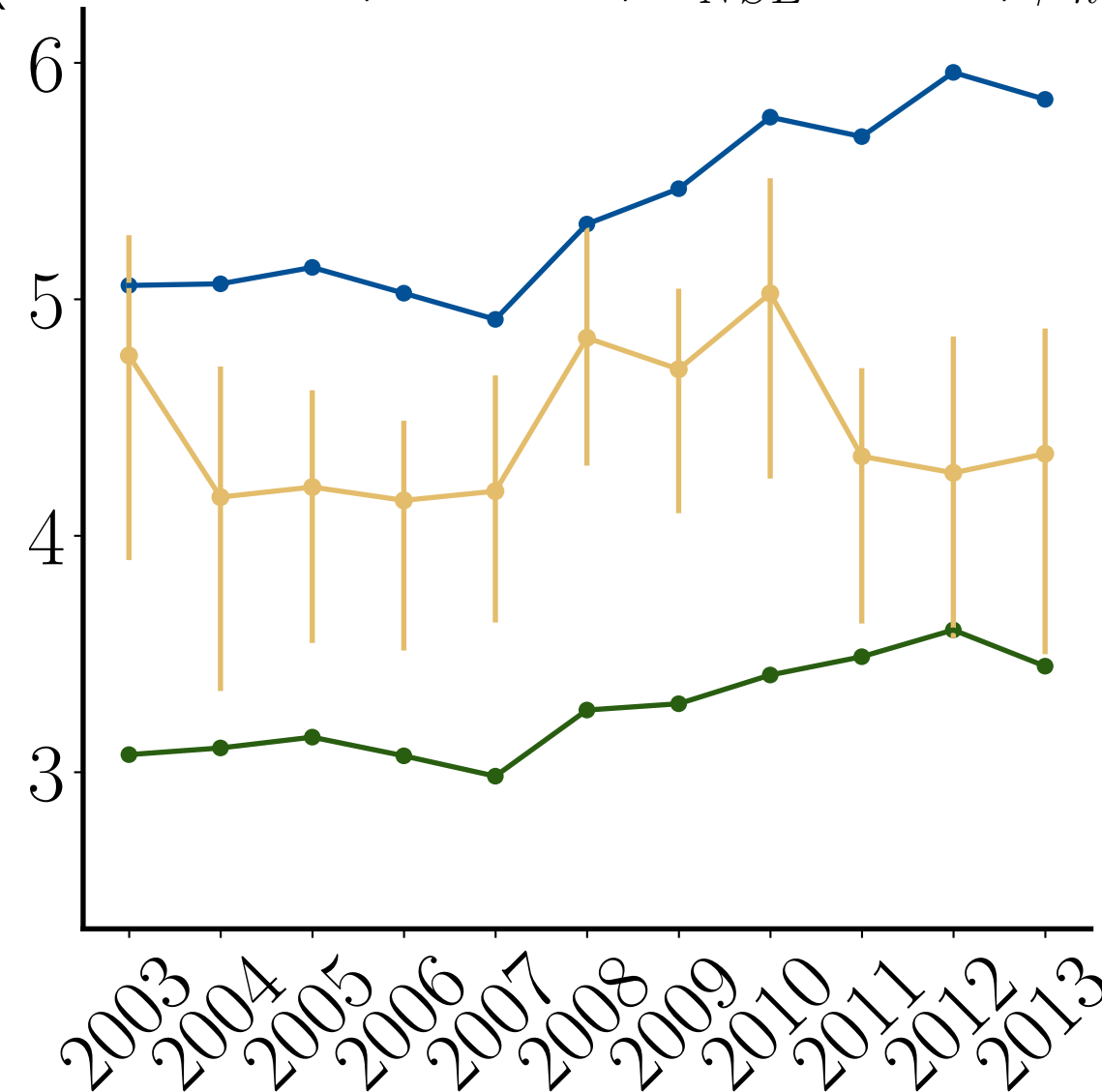
(c) Per site parameterization

$P_{\text{hr}}^{\text{W}}$ : (NSE: -1.92,  $r$ : -0.025,  $\alpha_{\text{NSE}}$ : 1.295,  $\beta_n$ : 0.424)  
 $P_{\text{hr}}$ : (NSE: -10.324,  $r$ : 0.261,  $\alpha_{\text{NSE}}$ : 1.184,  $\beta_n$ : 3.089)



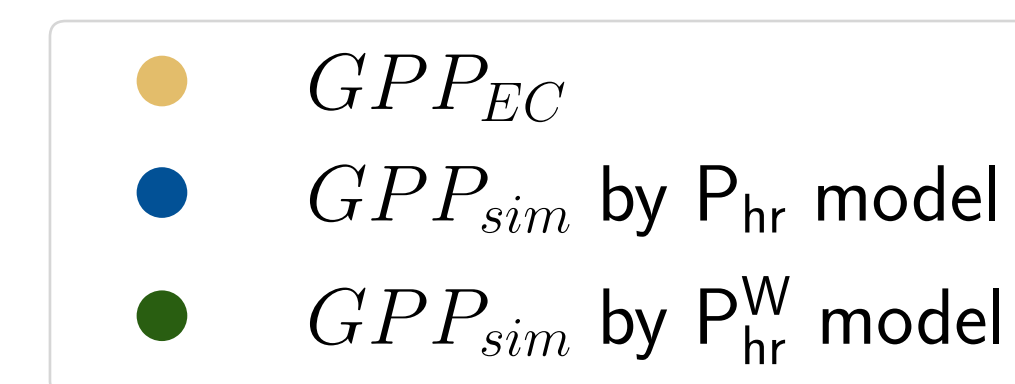
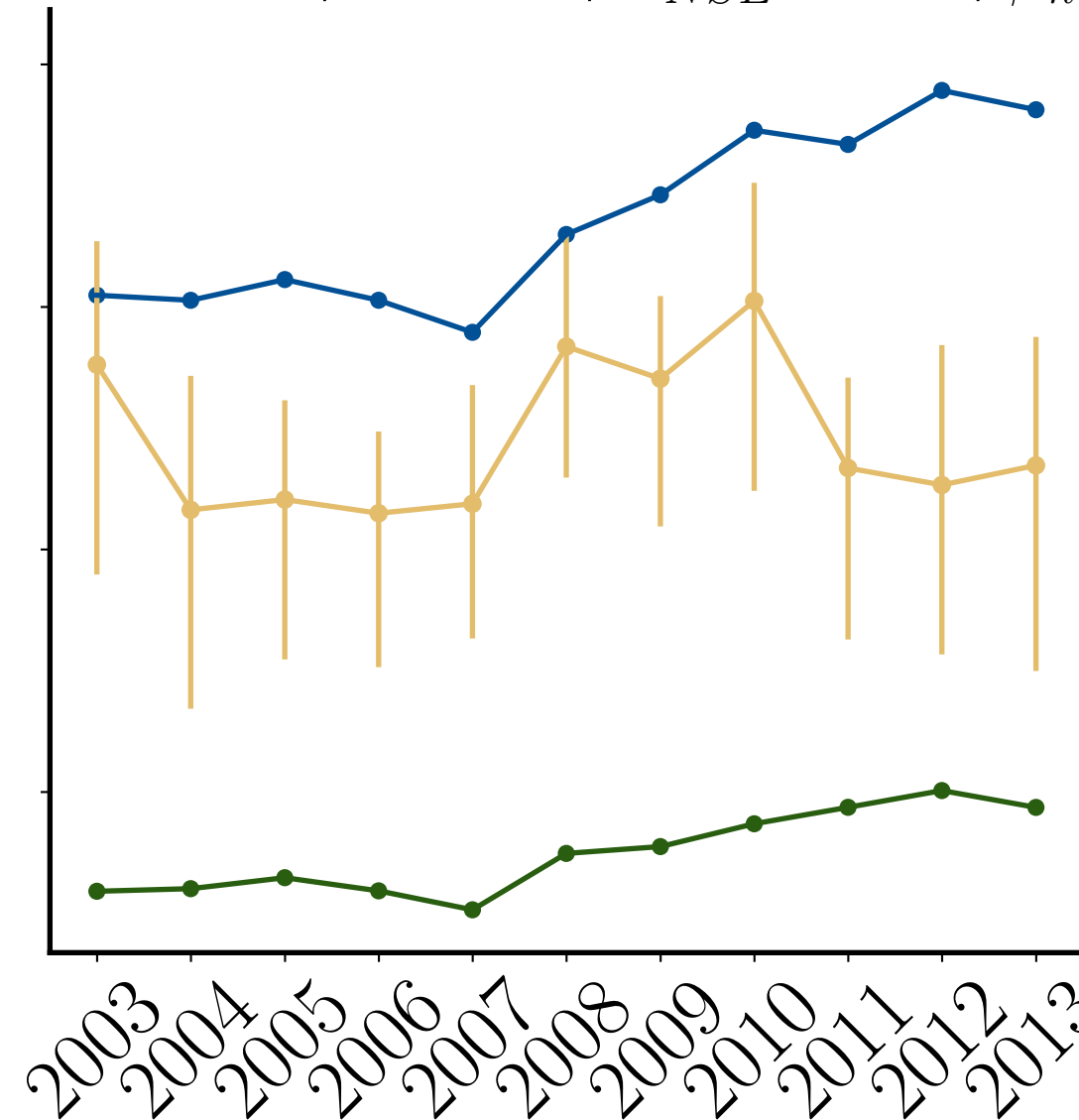
(d) Per PFT parameterization

$P_{\text{hr}}^{\text{W}}$ : (NSE: -15.763,  $r$ : 0.204,  $\alpha_{\text{NSE}}$ : 0.643,  $\beta_n$ : -3.951)  
 $P_{\text{hr}}$ : (NSE: -10.372,  $r$ : 0.261,  $\alpha_{\text{NSE}}$ : 1.189,  $\beta_n$ : 3.095)



(e) Global parameterization

$P_{\text{hr}}^{\text{W}}$ : (NSE: -32.088,  $r$ : 0.211,  $\alpha_{\text{NSE}}$ : 0.537,  $\beta_n$ : -5.659)  
 $P_{\text{hr}}$ : (NSE: -9.783,  $r$ : 0.272,  $\alpha_{\text{NSE}}$ : 1.154,  $\beta_n$ : 3.013)



Years