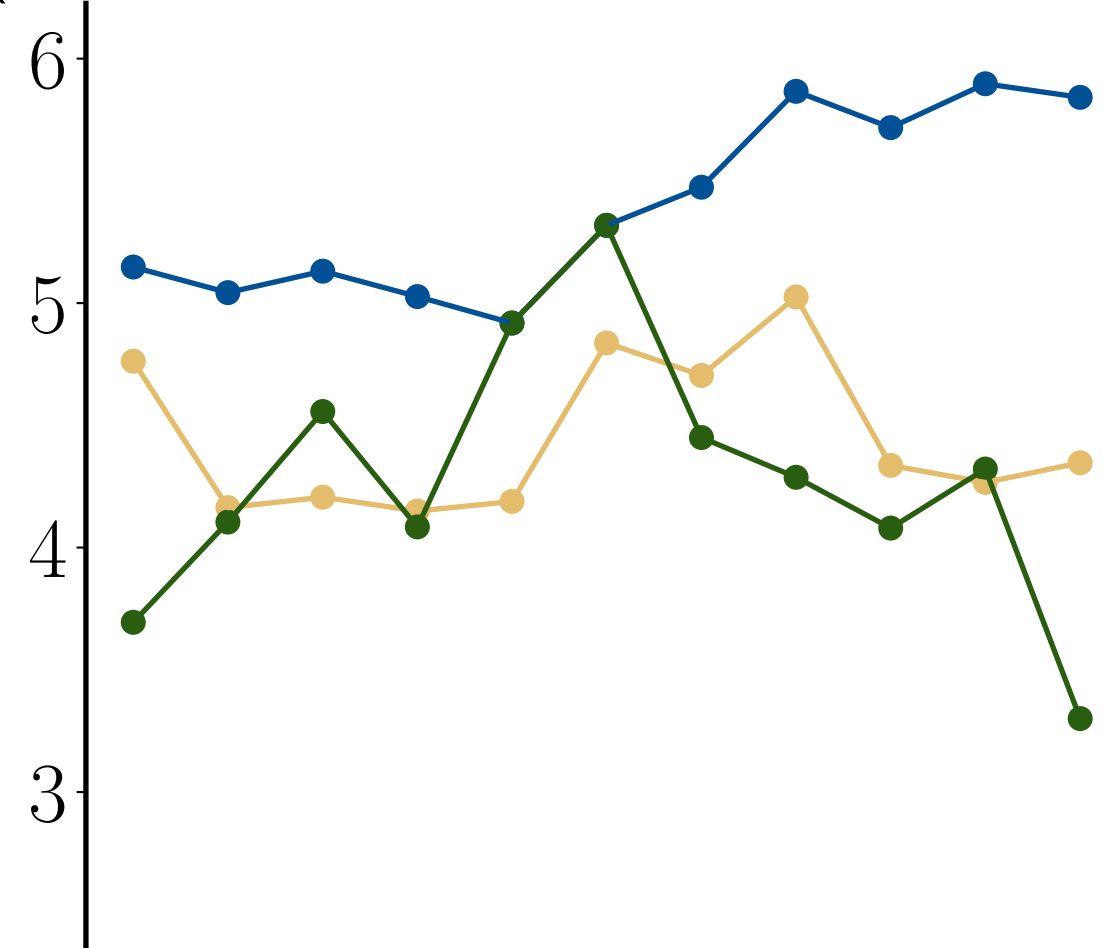


Mead - irrigated continuous maize site (Site ID: US-Ne1 PFT: CRO KG: Dfa)

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

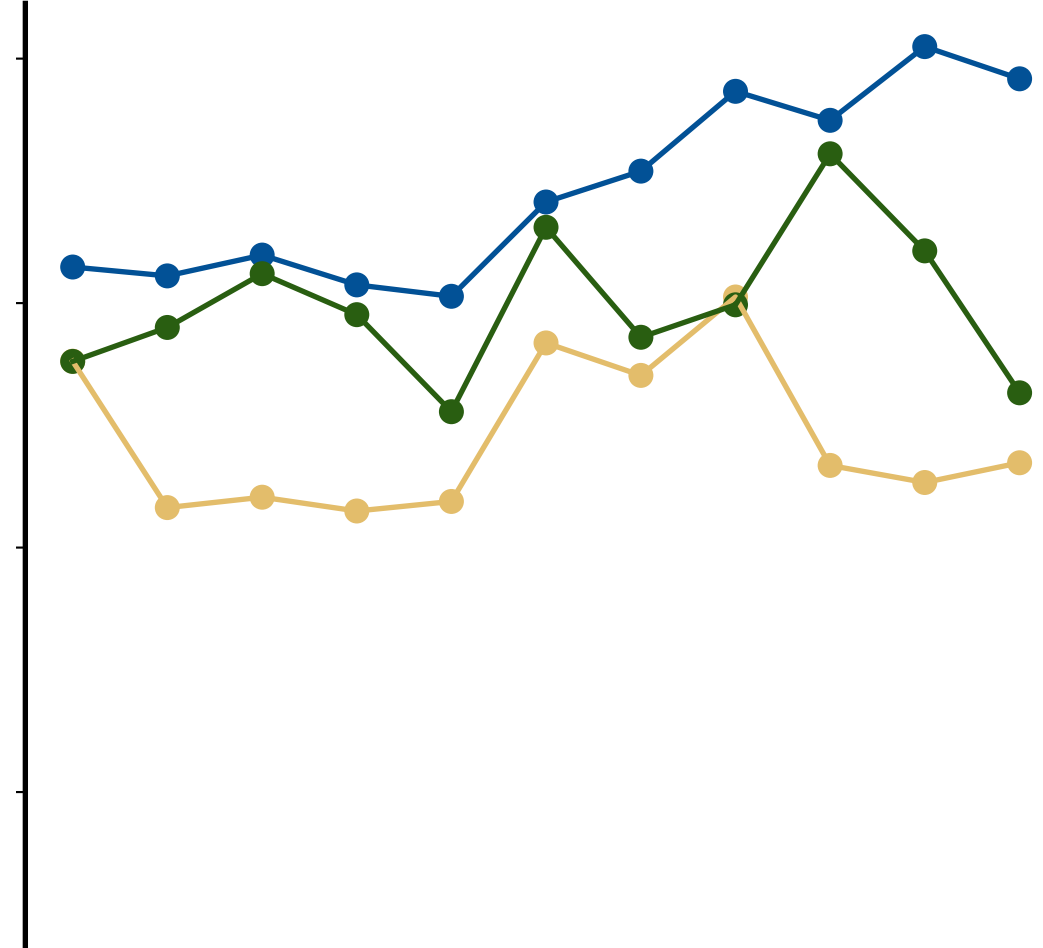
(a) Per site-year parameterization

P_{hr}^{W} : (NSE: -2.808, r : 0.148, α_{NSE} : 1.733, β_n : -0.564)
 P_{hr} : (NSE: -10.414, r : 0.345, α_{NSE} : 1.187, β_n : 3.135)



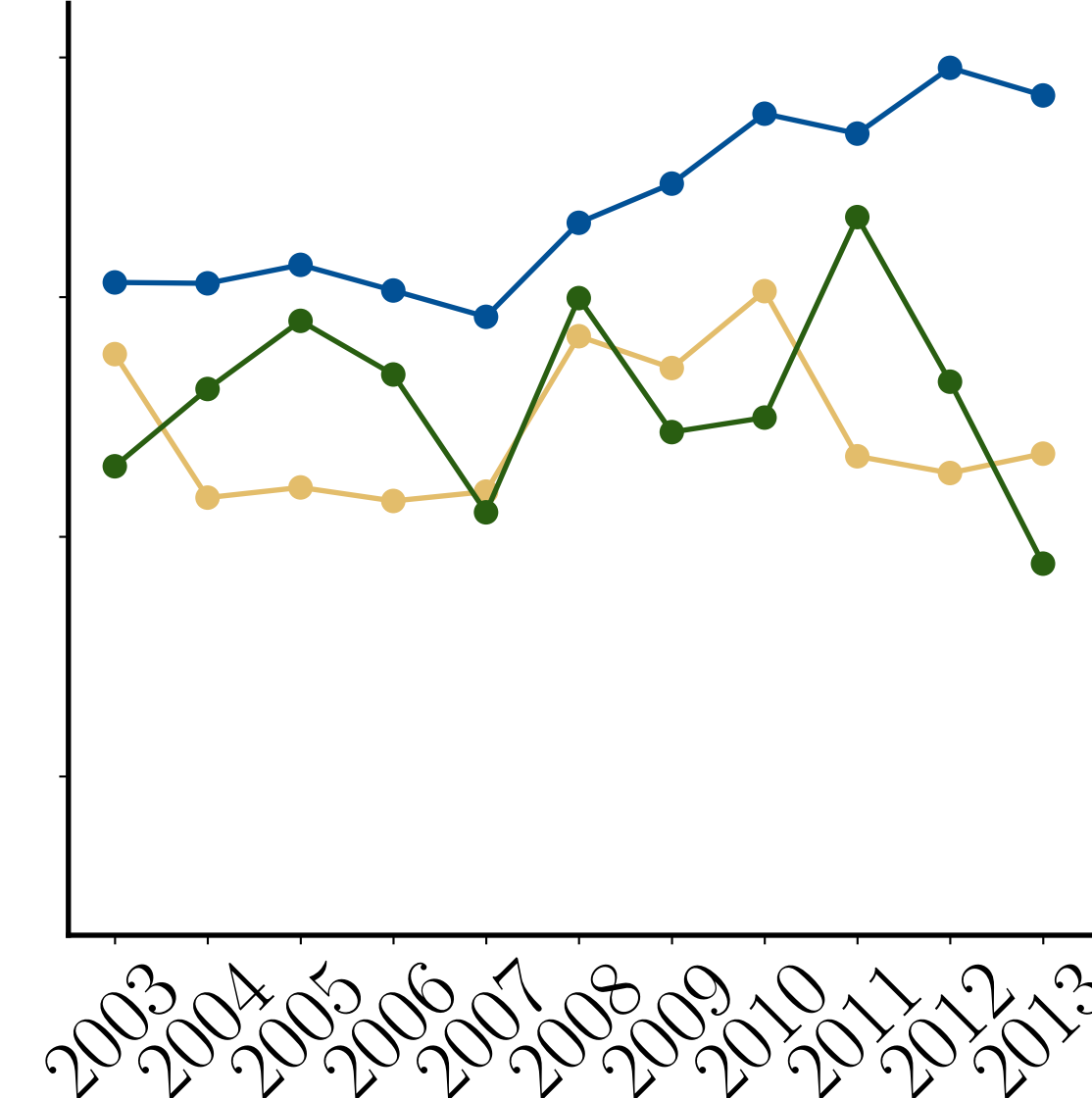
(b) Per site parameterization using Cost^{IAV}

P_{hr}^{W} : (NSE: -4.012, r : 0.066, α_{NSE} : 0.974, β_n : 1.787)
 P_{hr} : (NSE: -11.964, r : 0.286, α_{NSE} : 1.199, β_n : 3.349)



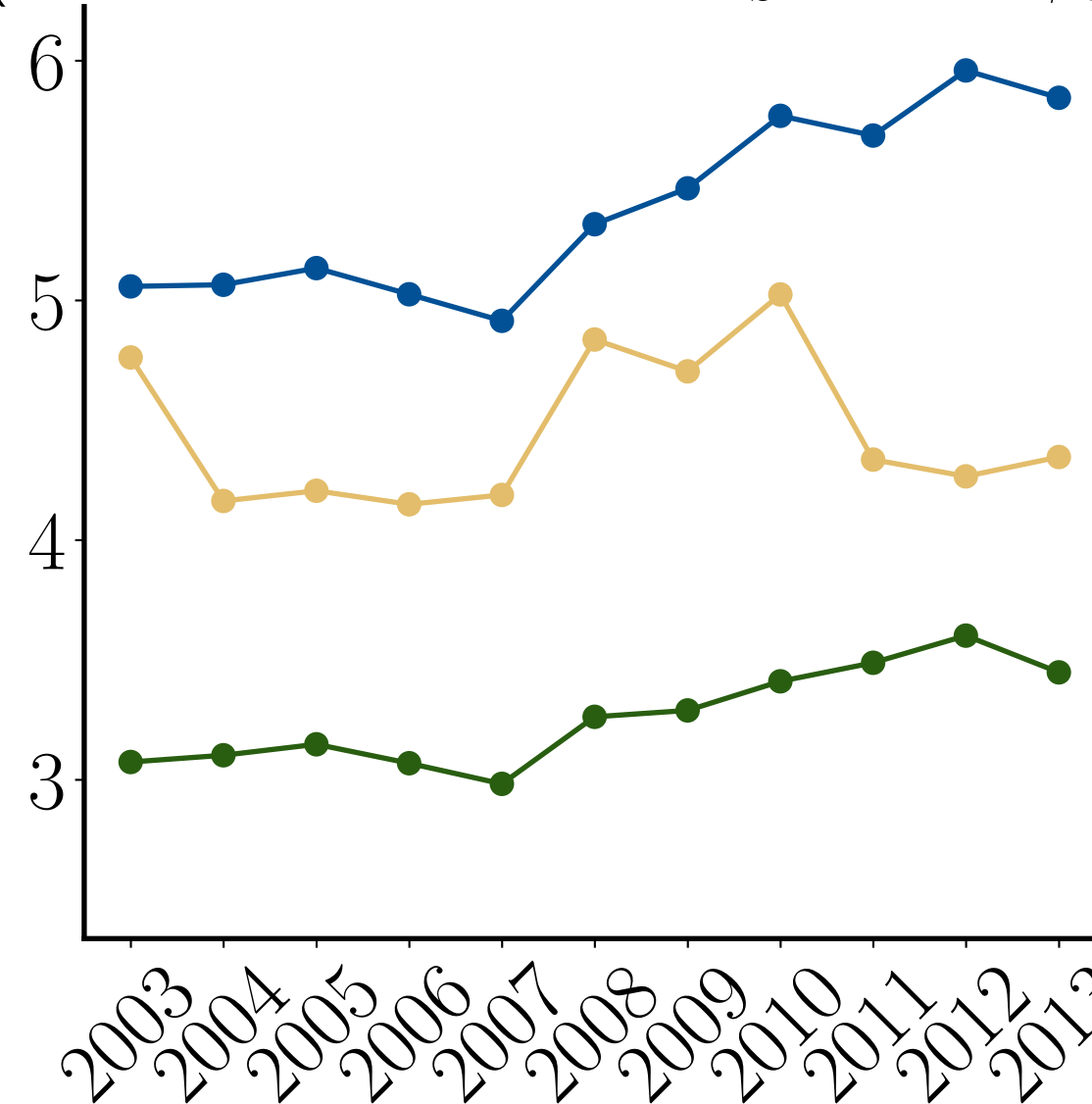
(c) Per site parameterization

P_{hr}^{W} : (NSE: -1.92, r : -0.025, α_{NSE} : 1.295, β_n : 0.424)
 P_{hr} : (NSE: -10.324, r : 0.261, α_{NSE} : 1.184, β_n : 3.089)



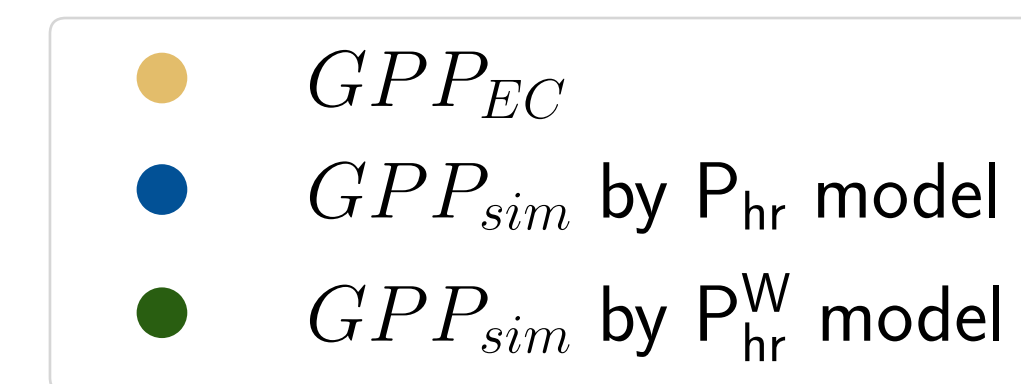
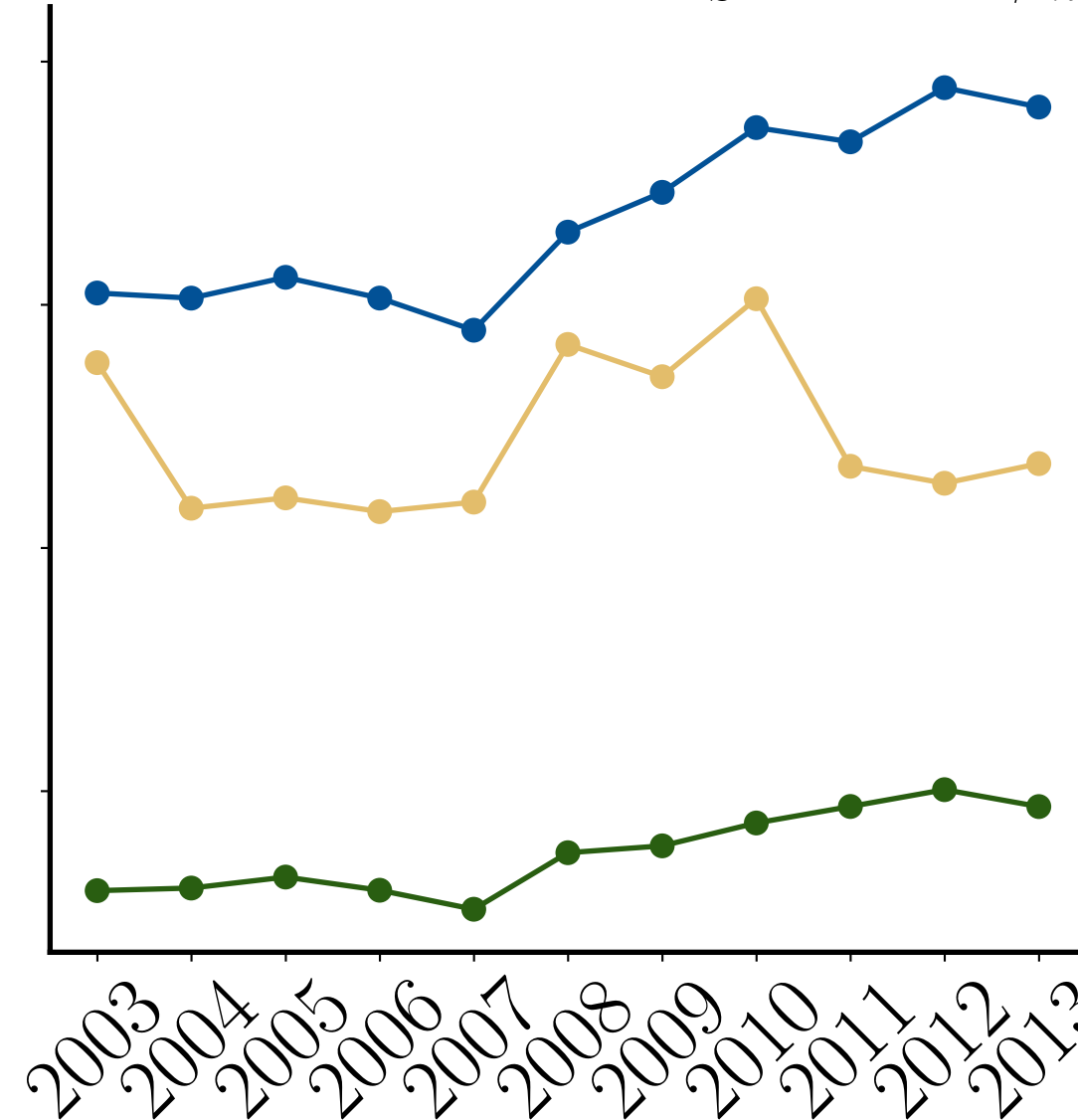
(d) Per PFT parameterization

P_{hr}^{W} : (NSE: -15.763, r : 0.204, α_{NSE} : 0.643, β_n : -3.951)
 P_{hr} : (NSE: -10.372, r : 0.261, α_{NSE} : 1.189, β_n : 3.095)



(e) Global parameterization

P_{hr}^{W} : (NSE: -32.088, r : 0.211, α_{NSE} : 0.537, β_n : -5.659)
 P_{hr} : (NSE: -9.783, r : 0.272, α_{NSE} : 1.154, β_n : 3.013)



Years