## Daily aggregation (a) $P_{hr}^{W}$ model (198) (b) P<sub>hr</sub> model (198) (c) Bao<sub>hr</sub> model (198) (d) Bao<sub>dd</sub> model (198) 50 25 Weekly aggregation Fraction of sites [%] (e) $P_{hr}^{W}$ model (198) (f) P<sub>hr</sub> model (198) (g) $Bao_{hr}$ model (198) (h) $Bao_{dd}$ model (198) 50 25 Monthly aggregation (i) P<sub>hr</sub> model (198) (j) P<sub>hr</sub> model (198) (k) Bao<sub>hr</sub> model (198) (I) Bao<sub>dd</sub> model (195) 50 25 NNSE [-] per PFT parameterization per site-year parameterization global parameterization per site parameterization using $Cost^{IAV}$ per site parameterization