first 15 members: CESM2-lens (2000-2014) R=0.65 R=0.51 R=0.53 R = 0.33R=0.58 NBP anomaly (PgC) 2 2 2 -2 -× 1 1 0 0 0 0 -1 -1-1× m=0.9gC/kgH2O × m=0.73gC/kgH2O **-**2 **-**2 **-**2 **-**2 m=0.58gC/kgH2O m=0.47gC/kgH2O m=0.26gC/kgH2O -2 0 2 **-**2 0 -2 0 -2 0 -2 0 R = 0.41R = 0.78R = 0.67R = 0.63R=0.5 NBP anomaly (PgC) 2 2 2 -2 -1 1 1 0 0 0 0 -1 -1× X **-**2 **-**2 -2 --2 m=0.72gC/kgH2O m=0.56gC/kgH2O m=0.68gC/kgH2O m=0.48gC/kgH2O m=0.63gC/kgH2O**-**2 0 2 **-**2 0 2 **-**2 0 **-**2 0 **-**2 0 R = 0.67R = 0.54R = -0.03R = 0.67R = 0.45NBP anomaly (PgC) 2 -2 2 -2 1 1 1 1 0 0 0 0 0 -1-1 -1-1**-**2 **-**2 **-**2 -2 \tilde{m} =0.43gC/kgH2O m=0.4gC/kgH2O m=0.52gC/kgH2O m=-0.02gC/kgH2Om=1.03gC/kgH2O **-**2 TWS anomaly (TtH2O) TWS anomaly (TtH2O) TWS anomaly (TtH2O) TWS anomaly (TtH2O) TWS anomaly (TtH2O)