True vs inferred regression coefficients: soiER abiotic abiotic abiotic Trophic level 1 Trophic level 2 Trophic level 3 0.6 1.00 1.00 0.5 0.75 0.75 0.4 0.50 0.50 0.3 0.2 0.25 0.25 0.1 0.00 0.00 0.6 8.0 0.75 0.2 0.4 0.25 0.50 0.2 0.3 0.4 0.5 0.1 Inferred biotic biotic Trophic level 2 Trophic level 3 10.0 0.0 7.5 5.0 -2.52.5 -5.00.0 -7.5 -2.5 **-**5.0 7.5 2.5 2 3 0 5 Truth proxy