True vs inferred regression coefficients: soiER abiotic abiotic abiotic Trophic level 1 Trophic level 2 Trophic level 3 1.00 1.00 0.6 0.75 0.75 0.40.50 0.50 0.2 0.25 0.25 0.00 0.0 0.00 0.2 0.4 0.6 0.8 0.250.500.75 0.10.20.30.40.5 Inferred biotic biotic Trophic level 2 Trophic level 3 0.25 0.3 0.00 0.0 -0.25-0.30.50 2.5 5.0 7.5 Truth proxy