

SUPPLEMENTAL MATERIALS

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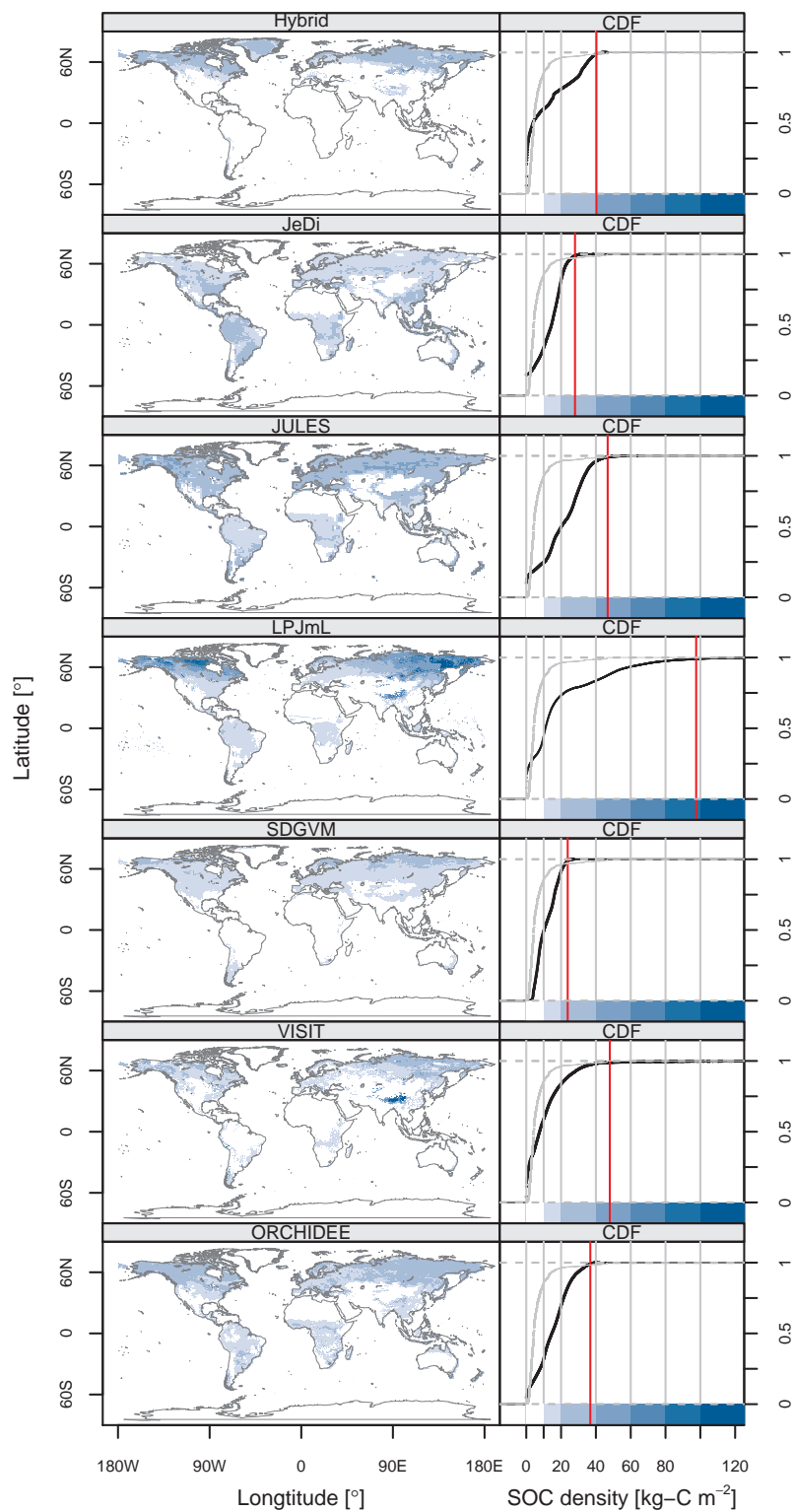


FIGURE S1. Maps of SOC density in 2000 and CDF in each biome model with HadGEM RCP8.5. In CDFs, red line indicates the 99th percentile of SOC density. In each CDF, grey lines indicate the CDF from the SOC density from the original Harmonized World Soil Database.

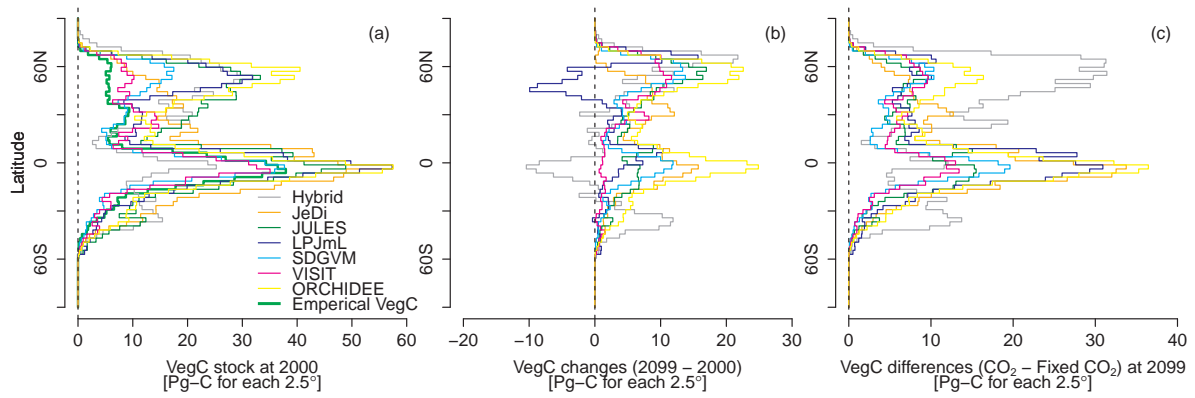


FIGURE S2. Latitudinal VegC stock; (a) VegC changes (2099 - 2000); (b) CO₂ fertilizer effect on VegC (CO₂ - Fixed CO₂ experiment at 2099); and (c) in HadGEM RCP8.5

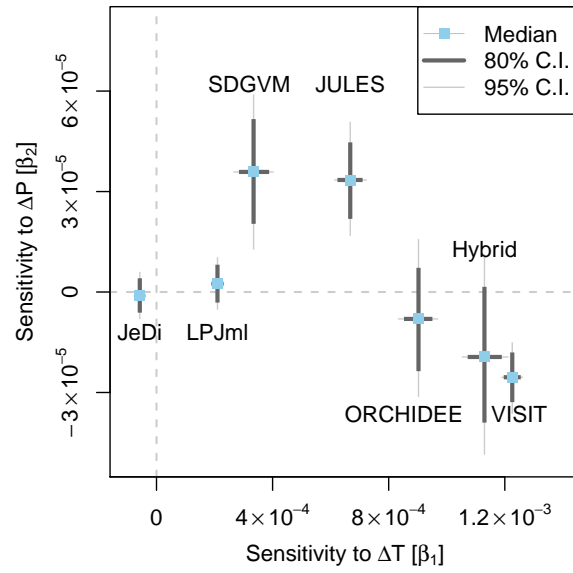


FIGURE S3. Sensitivity of global SOC stocks in response to ΔT and ΔP in each biome model