



Extended Data Figure 5 | Land-use-induced difference in potential and actual biomass stocks, uncertainty of input data and vegetation units used in the study. a, Impact of land-cover conversion. **b,** Impact of land management. **a, b,** Maps are based on the FRA-based actual biomass-stock map and the corresponding, IPCC-based FRA-adjusted potential carbon-stock map. **c,** Standard deviation of potential biomass-stock maps ($n = 6$).

d, Standard deviation of actual biomass-stock maps ($n = 7$). **e,** Intersect of all three^{37–39} biome maps used in the ecozone approaches and for the construction of the remote-sensing-based potential biomass-stock map. **f,** FAO ecozones³⁷ used for the aggregation of results. The ‘tropical core’ consists of humid rainforests. The tropical zones contain moist deciduous forests, dry forests, tropical shrubs, savannahs and hot deserts.