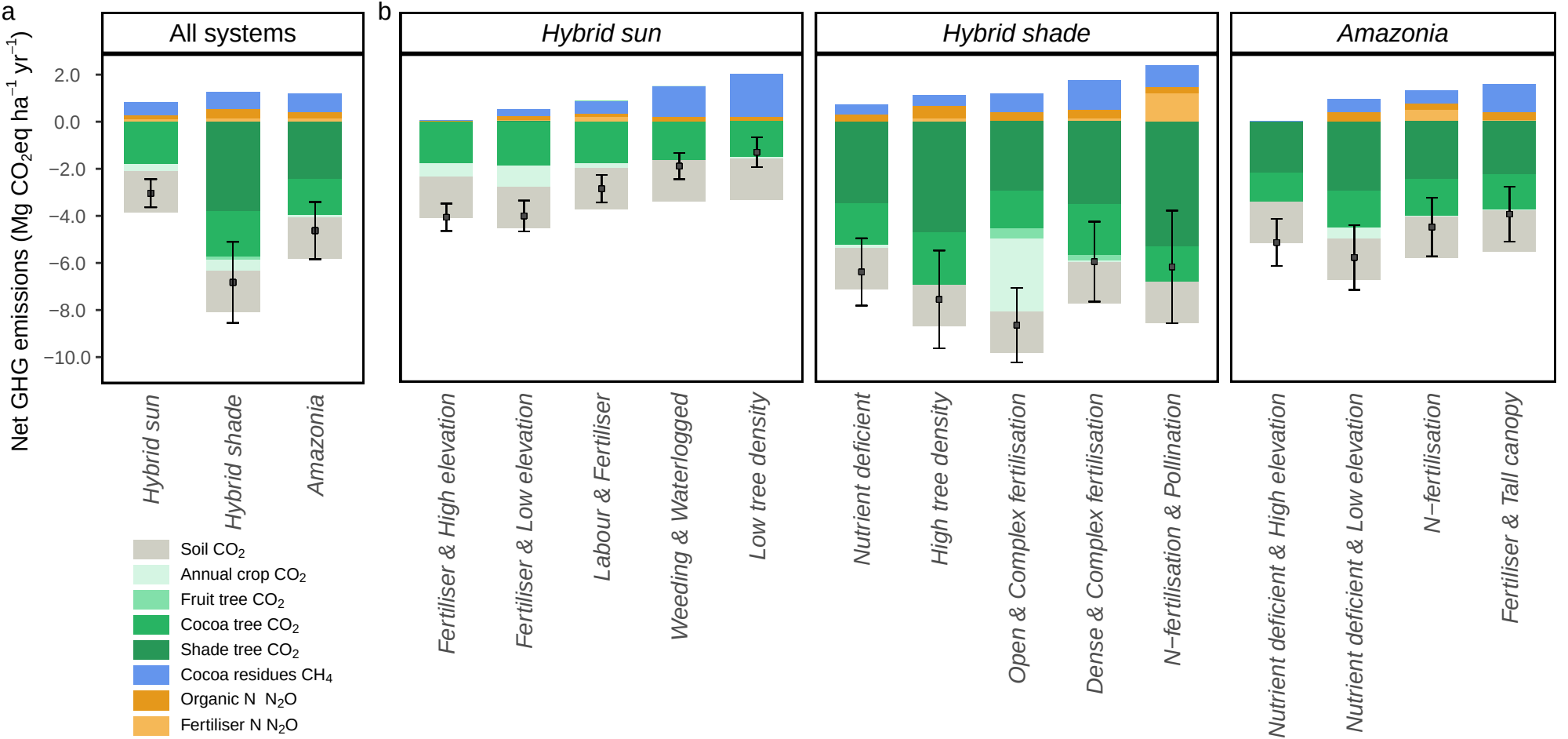
a
b
All systems
Hybrid sun
Hybrid shade
Amazonia
Net GHG emissions (Mg CO2eq ha−1 yr−1)
2.0
0.0
−2.0
−4.0
−6.0
−8.0
−10.0
Hybrid sun
Hybrid shade
Amazonia
Fertiliser & High elevation
Fertiliser & Low elevation
Labour & Fertiliser
Weeding & Waterlogged
Low tree density
Nutrient deficient
High tree density
Open & Complex fertilisation
Dense & Complex fertilisation
N−fertilisation & Pollination
Nutrient deficient & High elevation
Nutrient deficient & Low elevation
N−fertilisation
Fertiliser & Tall canopy
Soil CO2
Annual crop CO2
Fruit tree CO2
Cocoa tree CO2
Shade tree CO2
Cocoa residues CH4
Organic N N2O
Fertiliser N N2O