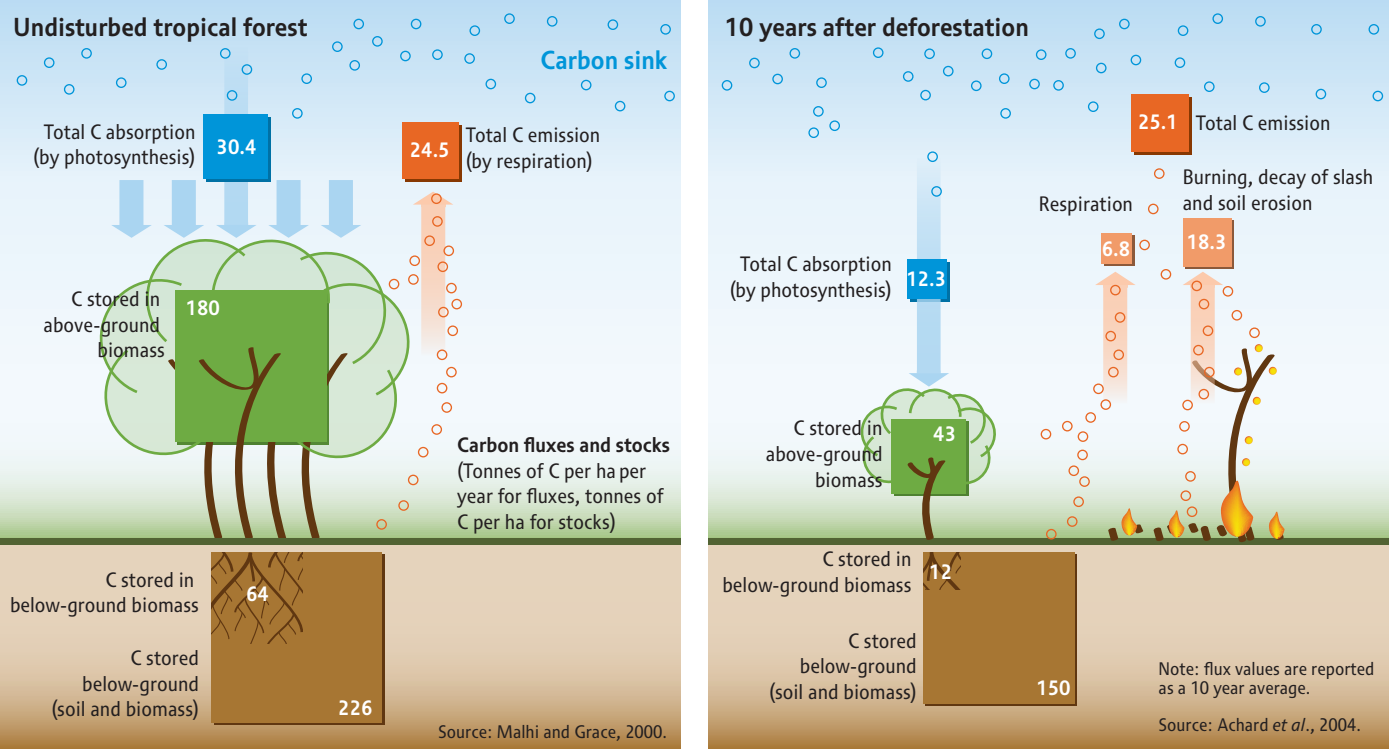

Undisturbed tropical forest
Carbon sink
Total C absorption (by photosynthesis)
30.4
24.5
Total C emission (by respiration)
C stored in above-ground biomass
180
Carbon fluxes and stocks (Tonnes of C per ha per year for fluxes, tonnes of C per ha for stocks)
C stored in below-ground biomass
64
C stored below-ground (soil and biomass)
226
Source: Malhi and Grace, 2000.
10 years after deforestation
25.1
Total C emission
Respiration
6.8
Burning, decay of slash and soil erosion
18.3
Total C absorption (by photosynthesis)
12.3
C stored in above-ground biomass
43
C stored in below-ground biomass
12
C stored below-ground (soil and biomass)
150
Note: flux values are reported as a 10 year average.
Source: Achard et al., 2004.