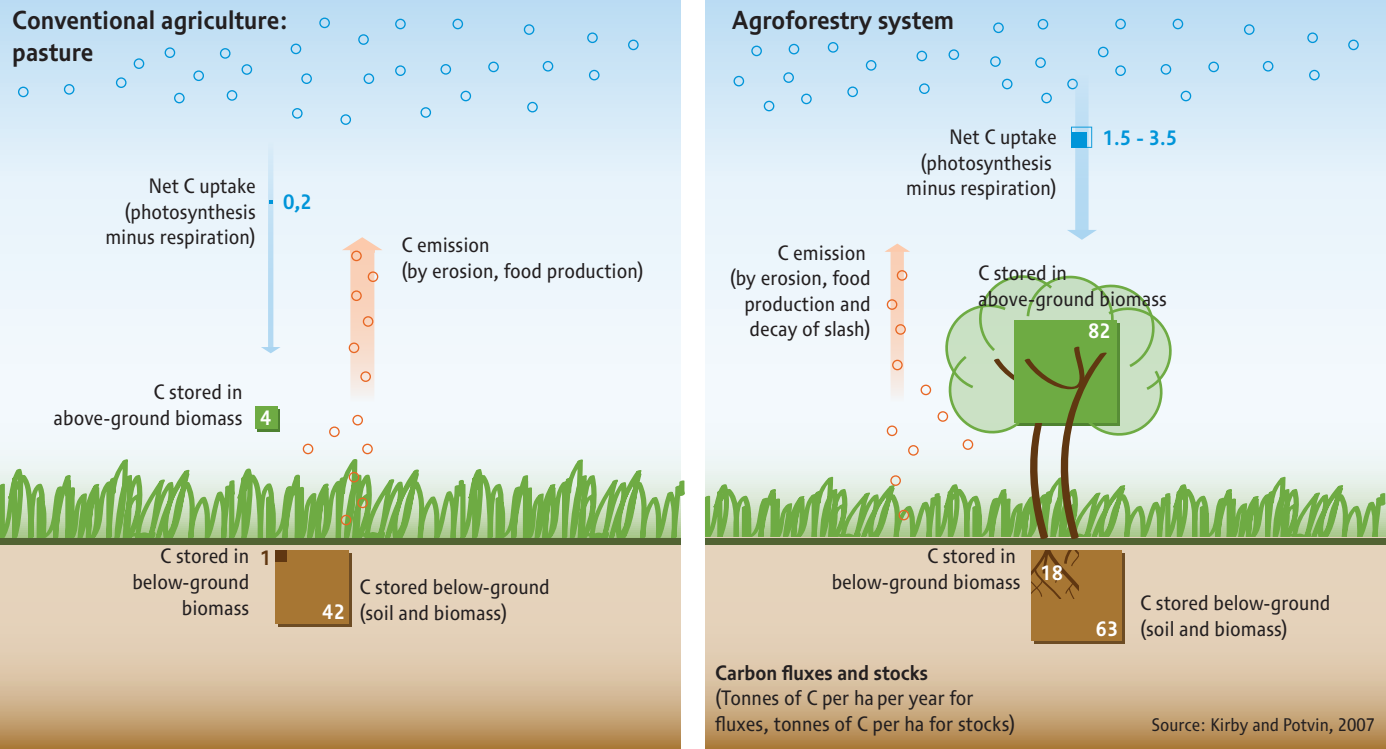

Conventional agriculture: pasture
Net C uptake (photosynthesis minus respiration)
0,2
C emission (by erosion, food production)
C stored in above-ground biomass
4
C stored in below-ground biomass
1
42
C stored below-ground (soil and biomass)
Agroforestry system
Net C uptake (photosynthesis minus respiration)
1.5 - 3.5
C emission (by erosion, food production and decay of slash)
C stored in above-ground biomass
82
C stored in below-ground biomass
18
63
C stored below-ground (soil and biomass)
Carbon fluxes and stocks
(Tonnes of C per ha per year for fluxes, tonnes of C per ha for stocks)
Source: Kirby and Potvin, 2007