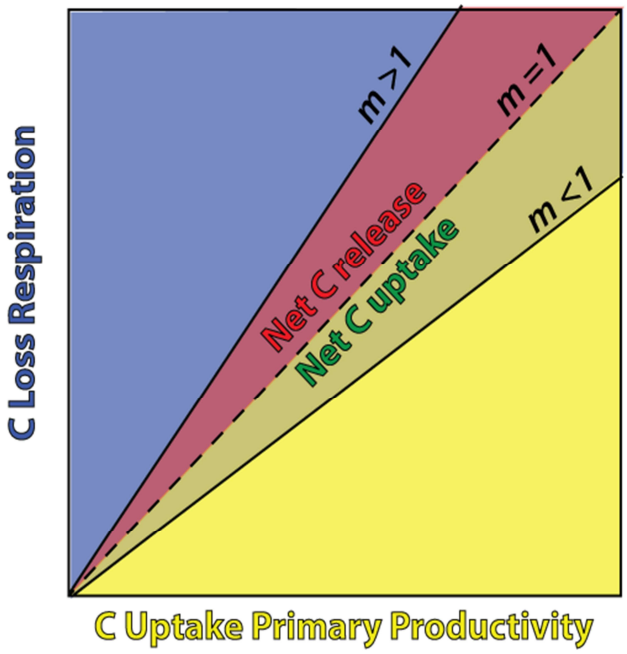
AP Ballantyne *et al.* – Supporting Information



WebFigure 1. General conceptual model for net C balance across scales. When ecosystems are in steady state, $m = 1$. When photosynthetic gains exceed respiratory losses, net C uptake is observed ($m < 1$), where the integrated green area represents net C uptake. When respiratory losses exceed photosynthetic gains, net C release is observed ($m > 1$). C exchange efficiency (CEE, where CEE = net uptake/gross productivity) can therefore be approximated as $1 - m$.