

Figure captions

Figure 1. Illustration of a nested hierarchy. Regions (East Africa) can be disaggregated to landscapes (natural forest, communal lands, and agriculture) to farms (mixed crop-livestock) to fields (cabbages).

Figure 2. Comparison of measured vs. predicted soil emissions based on two GHG calculators (Cool Farm Tool and EX-ACT) in tropical developing farming conditions. This graph shows that empirical models consistently over predict fluxes, especially when fluxes are low (Richards et al. *in review*).

Figure 3. Uncertainty of activity data inputs into a whole-farm accounting approach used in Western Kenya (Seebauer, 2014). Uncertainty depends on the farm activity in question and ranges from 10-20% for crop residues inputs up to greater than 80% with on-farm tree biomass. Data were collected by survey and colors represent different farm types.

Figure 1



Figure 2

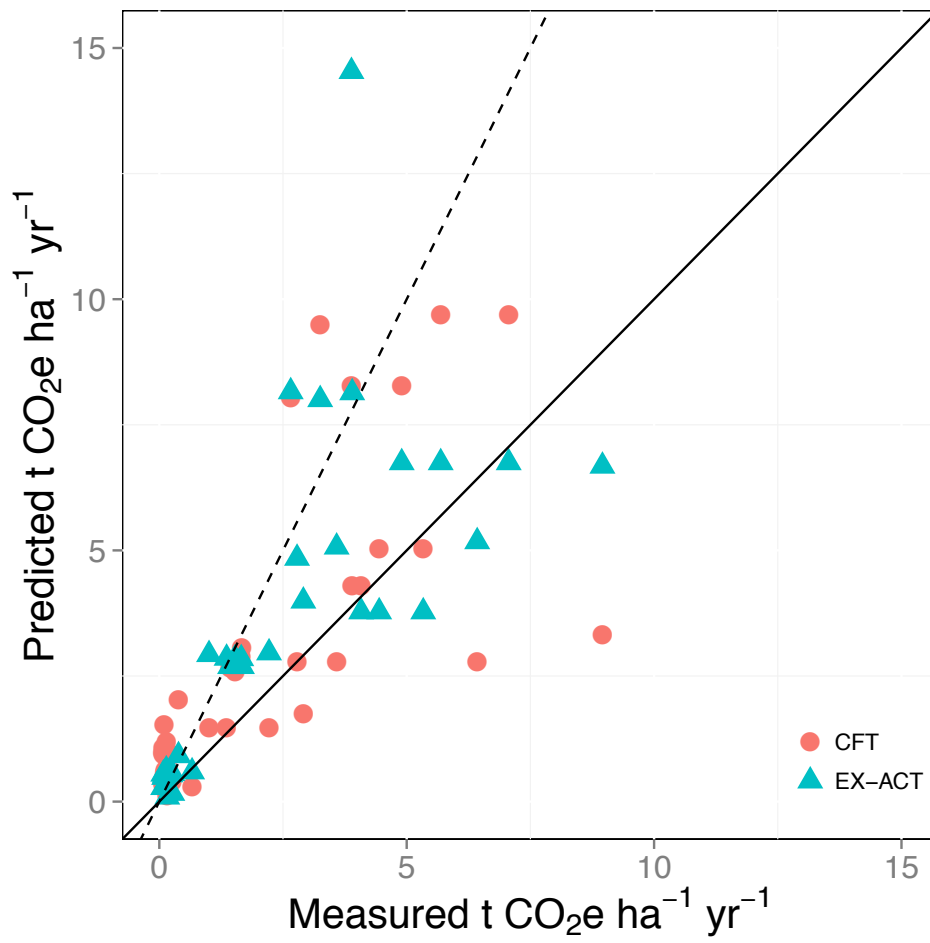


Figure 3

