TITLE	**FIELD DATA TO BENCHMARK THE CARBON-CYCLE MODELS FOR TROPICAL FORESTS**
PUBLICATION TYPE	Journal Article
YEAR	2017
AUTHORS	Clark, Deborah A., Shinichi Asao, Rosie Fisher, Sasha Reed, Peter B. Reich, Michael G. Ryan, Tana E. Wood, and Xiaojuan Yang
JOURNAL	Biogeosciences Discussions
VOLUME	
PAGINATION	
KEY WORDS	
ABSTRACT	For more accurate projections of both the global carbon (C) cycle and the changing climate, a critical current need is to improve the representation of tropical forests in Earth system models. Tropical forests exchange more C, energy, and water with the atmosphere than any other class of land ecosystems. Further, tropical-forest C cycling is likely responding to the rapid global warming, intensifying water-stress, and increasing atmospheric CO2 levels. Projections of the future C balance of the tropics vary widely among global models. A current effort of the modeling community, ILAMB (the International Land Model Benchmarking Project), is to compile robust observations that can be used to improve the accuracy and realism of the land models for all major biomes. Our goal with this paper is to identify field observations of tropical forest ecosystem C stocks and fluxes that can support this effort. We propose criteria for reference-level field data from this biome and present a set of documented examples from old-growth lowland tropical forests. We offer these as a starting point towards the goal of a regularly updated consensus set of benchmark field observations of C-cycling in tropical forests
LINK	https://bg.copernicus.org/preprints/bg-2017-169/bg-2017-169.pdf