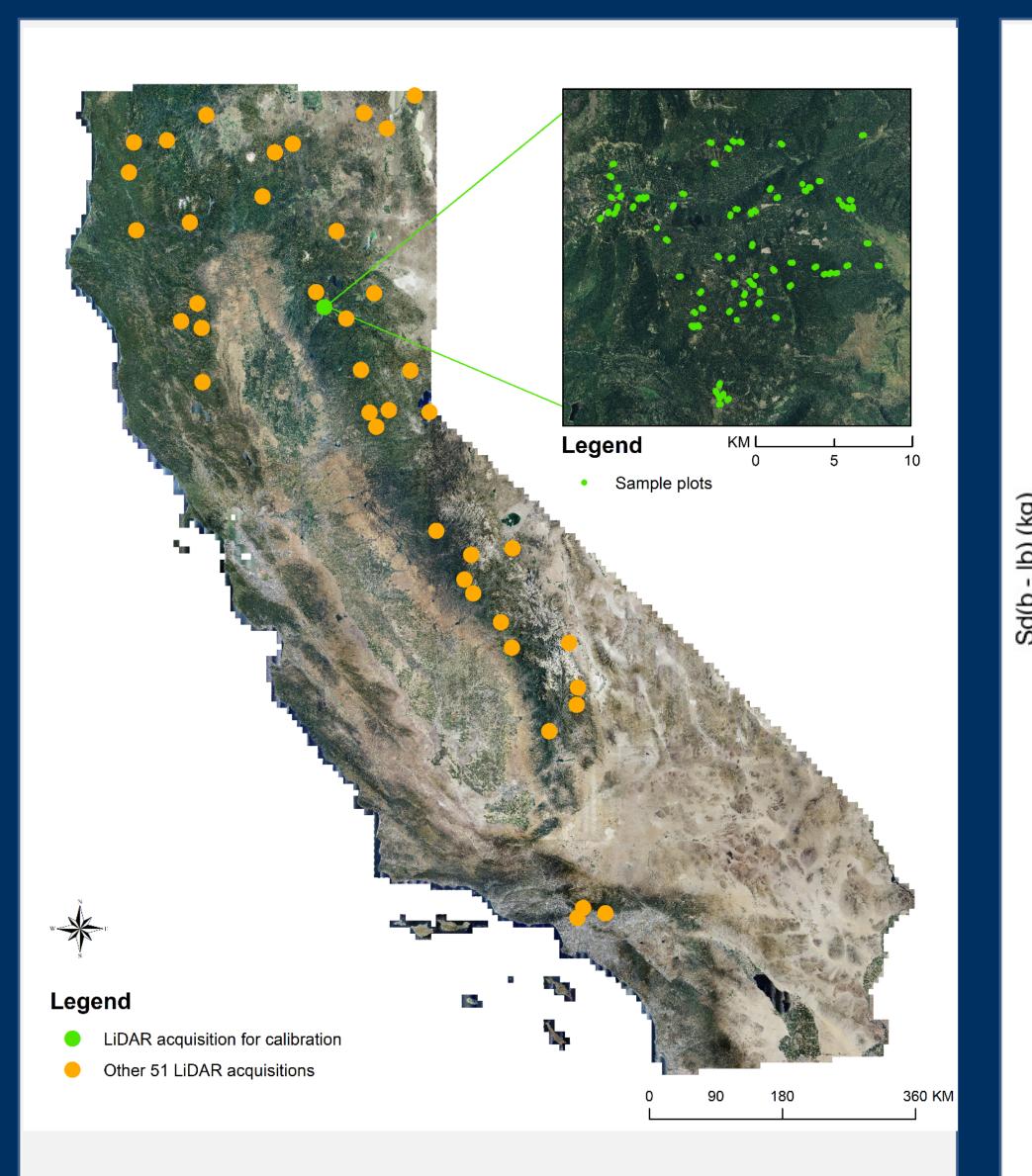


Qing Xu^{a,*}, Albert Man^b, Mark Fredrickson^b, Zhengyang Hou^a, Juho Pitkänen^c, Brian Wing^d, Carlos Ramirez^e, Bo Li^b, Jonathan A. Greenberg^a

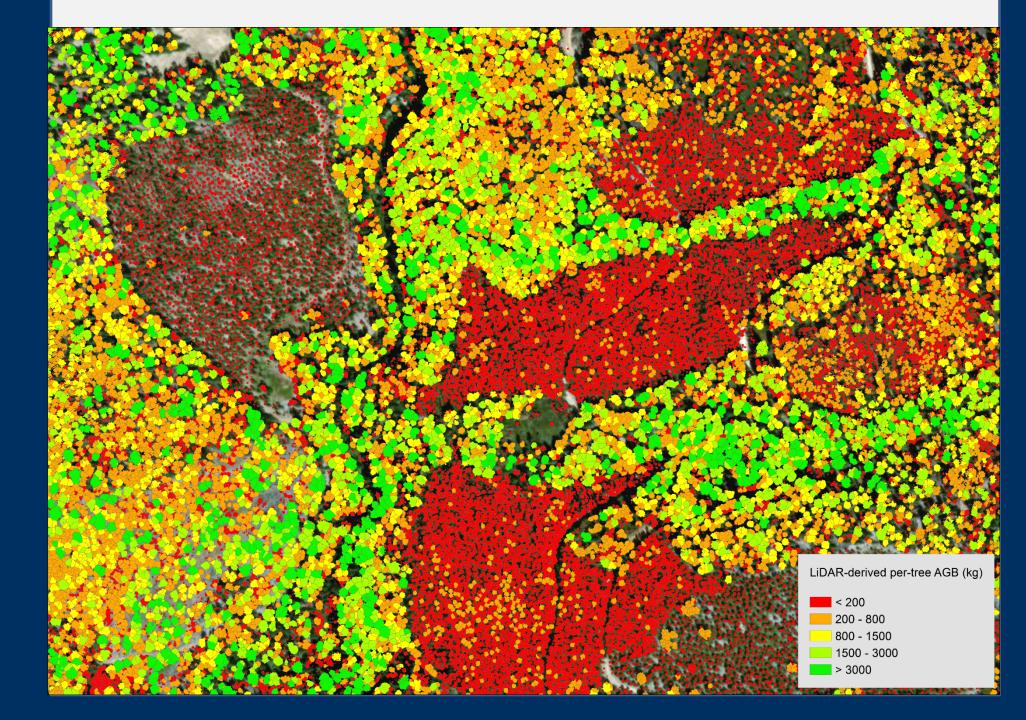
^a Department of Natural Resources and Environmental Science, University of Illinois at Urbana-Champaign, Champaign, Illinois 61820, USA ^c Natural Resources Institute Finland, Joensuu, Finland ^d USDA Forest Service, Region 5 Remote Sensing Laboratory, McClellan, CA, USA; deceased.



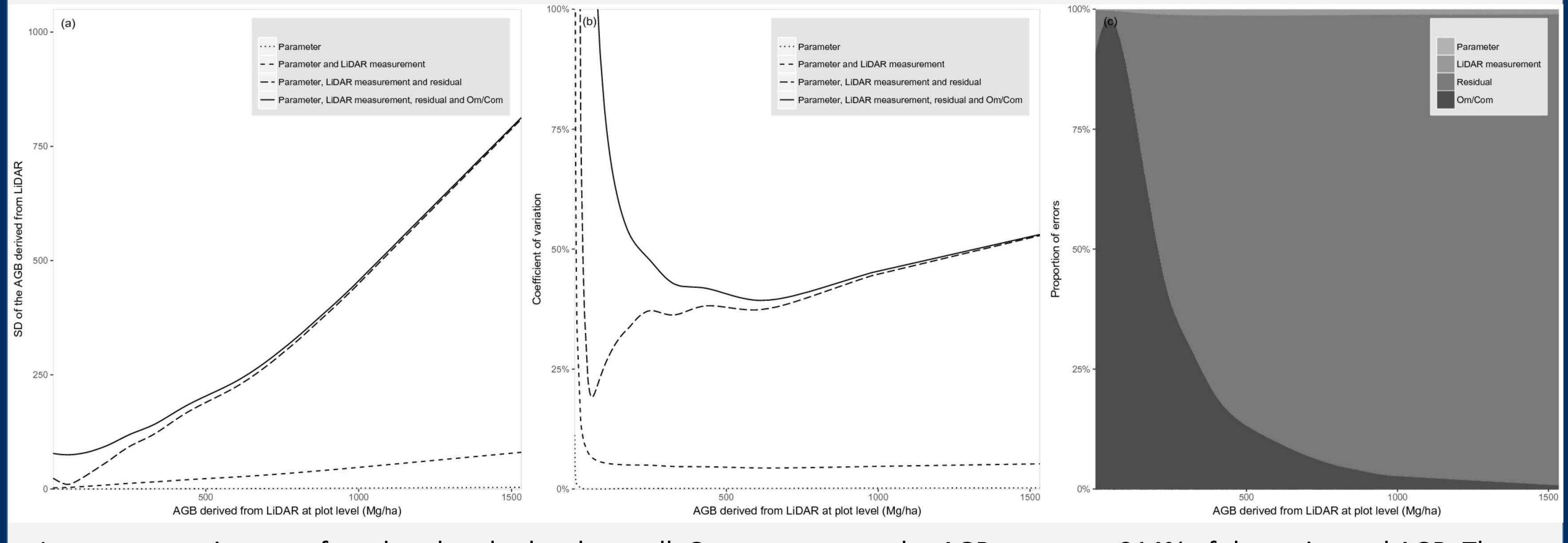
We mapped about 790 million trees using airborne LiDAR data across 52 forest sites in California.

We attributed each of them with LiDAR-derived tree height, crown diameters, biomass and its errors.

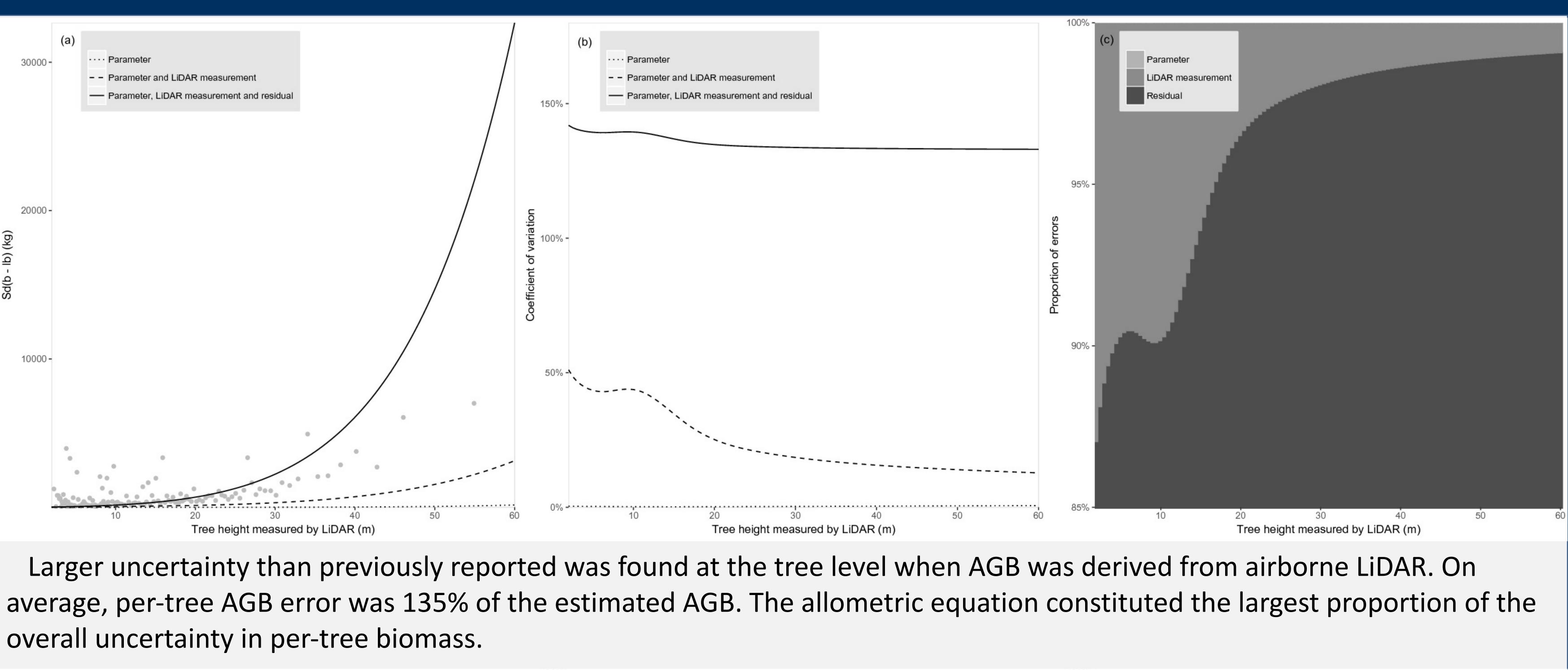
This huge dataset was archived on ORNL DAAC, and was made public since the publication of the paper by the Remote Sensing of Environment in July 2018.



overall uncertainty in per-tree biomass.



Quantification of uncertainty in aboveground biomass estimates derived from small-footprint airborne LiDAR



Larger uncertainty was found at the plot level as well. On average, per-plot AGB error was 214% of the estimated AGB. The largest proportion of errors was due to the errors from the allometric equation.