

Supplementary results

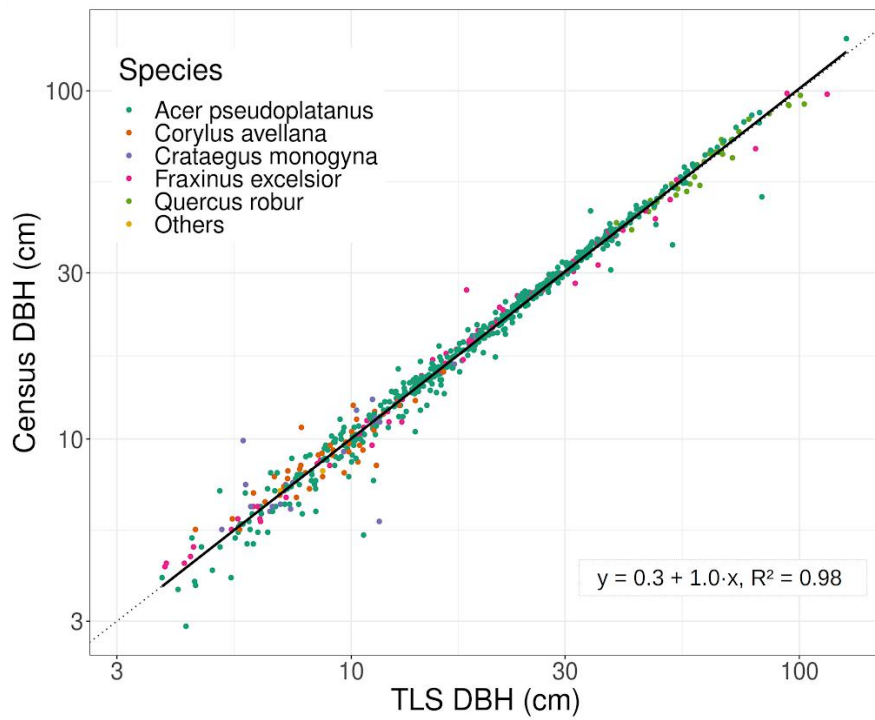


Figure S1: Comparison between field inventoried and TLS-derived DBH.

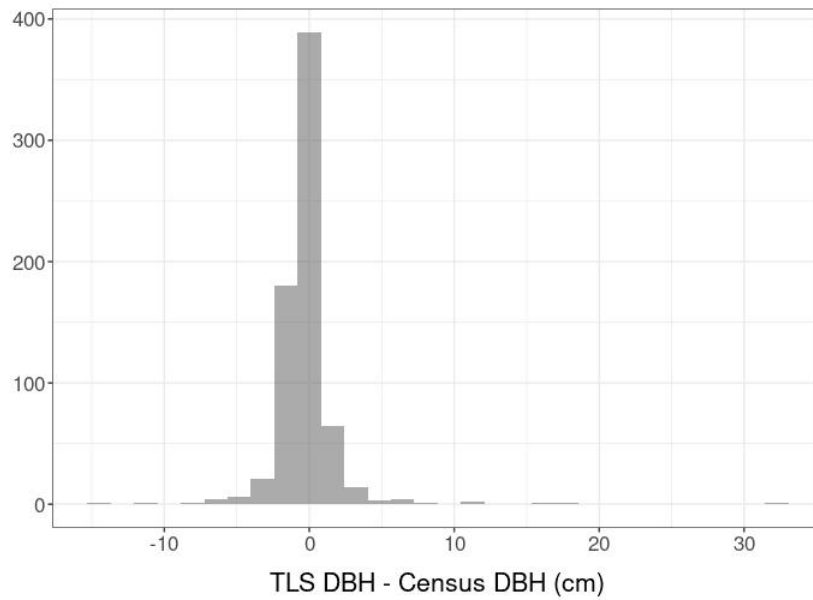


Figure S2: Distribution of the difference between TLS and field inventoried DBH for all trees in the 1.4 ha plot in Wytham Woods.

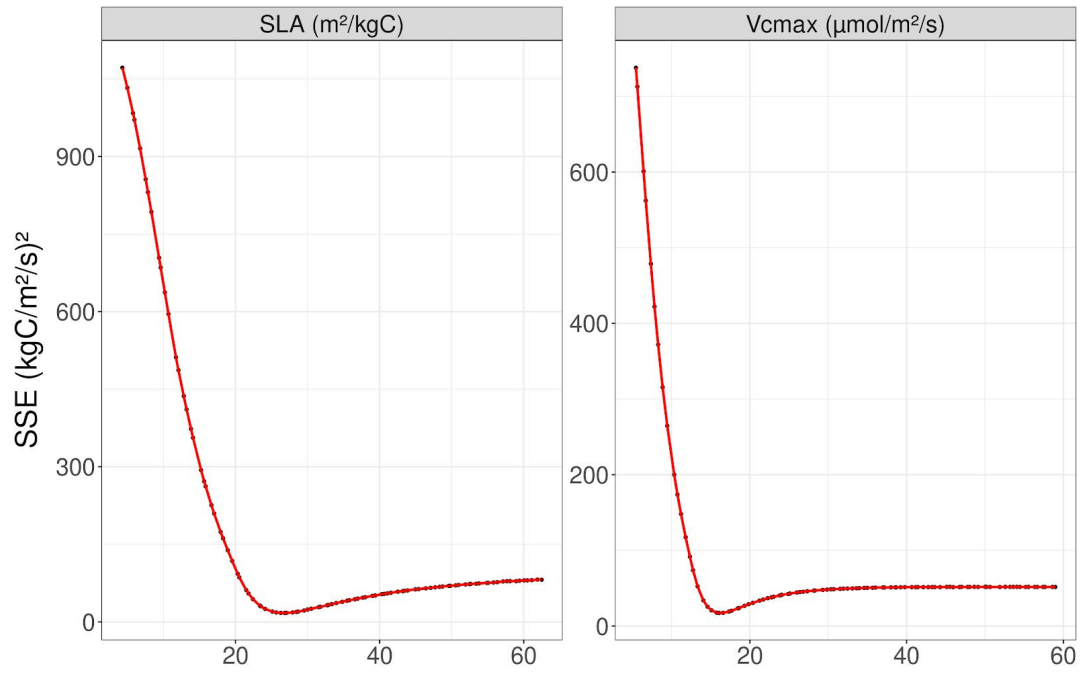


Figure S3: Univariate model sensitivity to the calibrated parameters (SLA, left and Vcmax, right), illustrated for the IC-TLS configuration around the posterior median (SLA = 26.9 m²/kgC, Vcmax = 16.7 µmol m⁻² s⁻¹). The y-axis is the sum of squared estimates of errors (SSE).

Table S1: list of references extracted from TRY used in this study

(Diaz et al. 2004; Cornelissen 1996; Kleyer et al. 2008; Cornelissen, Diez, and Hunt 1996; Ogaya and Peñuelas 2003; Reich, Oleksyn, and Wright 2009; Cornwell et al. 2008; Wright et al. 2004; Cornelissen et al. 2003; Burrascano et al. 2015; Wirth and Lichstein 2009; Maire et al. 2015; Paine et al. 2015; Liebergesell et al. 2016; Shipley 2002; Ordoñez et al. 2010; Scherer-Lorenzen et al. 2007; Falster et al. 2015; Niinemets 2001; Garnier et al. 2007; Giarrizzo et al. 2017; Coomes et al. 2008; Kattge et al. 2009; Atkin et al. 2015; Medlyn et al. 1999; Milla and Reich 2011).