Jääskeläinen J., Korhonen L., Kukkonen M., Packalen P., Maltamo M. (2024). Individual tree inventory based on uncrewed aerial vehicle data: how to utilise stand-wise field measurements of diameter for calibration? Silva Fennica vol. 58 no. 3 article id 23042.

Supplementary file 4

A comparison of a transferred general diameter/height model and locally constructed models that are calibrated with local field measurements and used for the prediction of diameter at breast height. The accuracy of the predictions is estimated based on the basal area median tree diameter, tree-level volume and plot level total volume.

S4 Prediction of diameter at breast height (DBH) with a general diameter/height model, calibration with field-measured trees, calculation of tree volume and comparison of the results with field measurements: absolute (RMSE) and relative root-mean-square error (%RMSE) and absolute and relative bias (%BIAS) values with no false trees are shown for the entire dataset and by development class.

The number of calibration trees	Class	RMSE	RMSE%	BIAS	%BIAS
0	All	163.72	36.04	17.15	7.45
	Young	71.15	41.46	18.2	9.47
	Advanced	105.75	35.32	25.9	10.42
	Mature	268.67	33.25	36.46	3.78
2	All	146.86	31.95	20.49	5.26
	Young	63.58	36.4	13.12	6.8
	Advanced	95.02	31.47	17.58	6.78
	Mature	241.03	29.55	27.47	3.06
4	All	140.97	30.57	18.29	4.52
	Young	60.85	34.7	11.07	5.73
	Advanced	91.29	30.17	14.35	5.52
	Mature	231.42	28.31	26	2.94
6	All	137.97	29.89	17.86	4.29
	Young	59.61	33.96	10.36	5.34
	Advanced	89.42	29.51	13.75	5.13
	Mature	226.39	27.66	25.9	2.94
8	All	136.02	29.47	16.92	4.13
	Young	58.78	33.45	10.22	5.3
	Advanced	88.29	29.15	13.06	4.88
	Mature	223.06	27.23	24.25	2.78
10	All	134.79	29.19	16.34	3.95
	Young	58.25	33.14	9.69	5.01
	Advanced	87.45	28.86	12.81	4.71
	Mature	221.1	26.99	23.37	2.66