Supplementary file 3

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.

S3 Prediction of diameter at breast height (DBH) with a general diameter/height model, calibration with field-measured trees, calculation of the diameter of the basal area median tree (DGM) 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 and without false trees are shown for the entire dataset and by development class.

The number of calibration trees	Class	With no false trees				With false trees			
		RMSE	RMSE%	BIAS	%BIAS	RMSE	%RMSE	BIAS	%BIAS
0	All	3.09	13.05	-0.12	-0.5	3.07	12.97	-0.14	-0.6
	Young	2.02	12.44	-0.6	-3.69	2.05	12.67	-0.6	-3.69
	Advanced	2.88	13.97	0.25	1.19	2.88	13.96	0.26	1.25
	Mature	3.75	12.13	-0.12	-0.37	3.69	11.97	-0.18	-0.59
2	All	2.37	10	-0.47	-1.97	2.37	9.98	-0.47	-1.99
	Young	1.65	10.18	-0.89	-5.51	1.68	10.4	-0.92	-5.7
	Advanced	2.13	9.23	-0.21	-1.03	2.14	10.37	-0.18	-0.86
	Mature	2.85	8.77	-0.41	-1.33	2.83	9.15	-0.43	-1.4
4	All	2.08	8.77	-0.58	-2.45	2.08	8.76	-0.57	-2.41
	Young	1.55	9.55	-1.01	-6.26	1.55	9.55	-0.57	-2.41
	Advanced	1.88	9.08	-0.37	-1.81	1.86	8.99	-0.33	-1.58
	Mature	2.46	7.97	-0.48	-1.56	2.46	7.98	-0.51	-1.65
6	All	1.92	8.1	-0.62	-2.61	1.93	8.14	-0.64	-2.7
	Young	1.49	9.17	-1.06	-6.53	1.51	9.32	-1.06	-6.56
	Advanced	1.73	8.38	-0.42	-2.03	1.75	8.46	-0.42	-2.02
	Mature	2.25	7.3	-0.5	-1.63	2.25	7.29	-0.55	-1.8
8	All	1.82	7.68	-0.65	-2.75	1.83	7.73	-0.66	-2.79
	Young	1.42	8.79	-1.07	-6.62	1.49	9.18	-1.09	-6.73
	Advanced	1.65	7.99	-0.45	-2.2	1.63	7.9	-0.43	-2.09
	Mature	2.12	6.88	-0.55	-1.78	2.13	6.91	-0.58	-1.88
10	All	1.76	7.4	-0.68	-2.87	1.76	7.44	-0.68	-2.88
	Young	1.42	8.75	-1.11	-6.84	1.47	9.05	-1.12	-6.92
	Advanced	1.56	7.56	-0.048	-2.31	1.56	7.53	-0.47	-2.25
	Mature	2.05	6.64	-0.58	-1.87	2.05	6.64	-0.59	-1.91