

Sequoiadendron giganteum summary
Sillett, Van Pelt, Carroll, Kramer, Ambrose, Trask 2015

Tree	Year	Age	Total dry mass (Mg)	Bark volume (m ³)	Sapwood volume (m ³)	Heartwood volume (m ³)	Dead volume (m ³)	Bark area (m ²)	Cambium area (m ²)	Heartwood area (m ²)	Leaf dry mass (kg)	Leaf area (m ²)	Millions of leaves	Cone dry mass (kg)	Thousands of cones
SEGI1	2012	39 ± 1	0.69 ± 0.03	0.67 ± 0.03	1.15 ± 0.07	0.15 ± 0.04	0.00 ± 0.000	500.8 ± 23.7	140.3 ± 5.2	4.2 ± 1.4	68.7 ± 4.2	274.8 ± 16.2	59.9 ± 2.6	0.0 ± 0.0	0.0 ± 0.0
SEGI2	2007	70 ± 10	5.04 ± 0.21	4.42 ± 0.10	5.23 ± 0.19	4.36 ± 0.20	0.027 ± 0.003	2159.0 ± 66.7	657.6 ± 19.7	48.8 ± 4.4	296.7 ± 11.5	1150.0 ± 45.2	287.8 ± 12.0	26.3 ± 0.0	0.9 ± 0.0
SEGI3	2007	80 ± 3	6.78 ± 0.25	5.17 ± 0.09	7.00 ± 0.18	6.75 ± 0.22	0.133 ± 0.014	2217.2 ± 62.3	710.8 ± 22.2	68.8 ± 3.5	302.5 ± 10.6	1155.2 ± 42.6	305.9 ± 14.0	12.0 ± 0.0	1.0 ± 0.0
SEGI4	2005	110 ± 10	9.61 ± 0.39	7.72 ± 0.13	9.84 ± 0.26	11.40 ± 0.37	0.021 ± 0.004	1883.1 ± 48.4	630.9 ± 16.7	88.3 ± 4.7	248.3 ± 8.3	954.2 ± 32.8	247.1 ± 10.3	11.0 ± 1.4	0.6 ± 0.1
SEGI5	2011	127 ± 3	0.43 ± 0.02	0.42 ± 0.03	0.62 ± 0.07	0.17 ± 0.05	0.000 ± 0.000	381.3 ± 24.7	99.9 ± 5.3	5.7 ± 1.7	52.3 ± 4.4	213.5 ± 17.2	41.5 ± 2.5	0.0 ± 0.0	0.0 ± 0.0
SEGI6	2007	130 ± 4	17.97 ± 0.61	9.91 ± 0.12	17.80 ± 0.29	23.79 ± 0.52	0.075 ± 0.006	3578.0 ± 93.3	1203.1 ± 34.4	149.1 ± 5.7	481.6 ± 15.6	1826.4 ± 62.0	493.5 ± 20.6	164.4 ± 21.3	6.4 ± 0.8
SEGI7	2007	160 ± 20	20.89 ± 0.67	9.32 ± 0.12	17.92 ± 0.30	30.80 ± 0.64	0.253 ± 0.020	4066.9 ± 108.9	1377.1 ± 40.9	169.7 ± 6.0	548.6 ± 18.0	2072.8 ± 71.8	565.2 ± 23.9	111.2 ± 13.7	6.0 ± 0.7
SEGI8	2011	230 ± 20	11.79 ± 0.48	9.64 ± 0.17	12.04 ± 0.35	13.03 ± 0.45	0.252 ± 0.019	2725.7 ± 80.8	897.2 ± 29.2	102.4 ± 7.4	366.6 ± 13.6	1399.5 ± 54.4	368.3 ± 17.6	61.1 ± 8.0	4.4 ± 0.5
SEGI9	2012	251 ± 5	18.22 ± 0.69	13.17 ± 0.15	16.98 ± 0.31	24.21 ± 0.47	0.065 ± 0.002	2728.8 ± 82.4	962.9 ± 32.5	146.1 ± 4.0	360.1 ± 13.6	1352.8 ± 54.8	377.6 ± 19.0	576.7 ± 77.1	21.2 ± 2.6
SEGI10	2011	380 ± 20	30.55 ± 1.09	17.39 ± 0.20	27.56 ± 0.37	44.05 ± 0.73	0.279 ± 0.016	4074.0 ± 131.2	1452.5 ± 50.4	230.9 ± 5.8	535.5 ± 21.4	2019.8 ± 85.0	556.8 ± 27.7	777.6 ± 89.1	29.2 ± 3.1
SEGI11	2009	440 ± 20	35.40 ± 1.27	18.56 ± 0.17	24.13 ± 0.35	60.47 ± 0.93	0.303 ± 0.020	2979.9 ± 91.5	1114.7 ± 35.6	242.0 ± 5.6	381.0 ± 15.1	1428.5 ± 60.8	402.4 ± 20.6	244.6 ± 27.1	12.5 ± 1.2
SEGI12	2009	500 ± 30	6.74 ± 0.28	5.52 ± 0.10	7.10 ± 0.19	7.83 ± 0.22	0.392 ± 0.014	1139.6 ± 44.7	403.6 ± 16.0	65.0 ± 2.3	147.1 ± 7.4	562.5 ± 28.9	146.3 ± 8.3	1.2 ± 0.2	0.1 ± 0.0
SEGI13	2011	550 ± 70	3.39 ± 0.15	3.24 ± 0.07	3.26 ± 0.12	3.69 ± 0.13	0.058 ± 0.004	811.1 ± 26.3	271.2 ± 8.9	38.4 ± 1.6	106.6 ± 4.4	410.2 ± 17.4	105.3 ± 4.9	0.6 ± 0.0	0.0 ± 0.0
SEGI14	2012	560 ± 90	22.53 ± 0.84	14.24 ± 0.17	21.75 ± 0.39	30.36 ± 0.63	0.532 ± 0.034	3253.9 ± 101.8	1155.5 ± 39.5	160.8 ± 5.4	431.1 ± 16.4	1613.9 ± 64.5	442.9 ± 20.7	89.6 ± 9.8	4.7 ± 0.5
SEGI15	2011	560 ± 10	35.30 ± 1.38	23.52 ± 0.22	27.20 ± 0.45	55.26 ± 0.93	0.757 ± 0.025	3103.9 ± 90.0	1128.6 ± 34.6	214.7 ± 6.3	398.0 ± 14.9	1507.5 ± 59.7	411.2 ± 19.9	297.0 ± 33.6	17.6 ± 1.8
SEGI16	2009	990 ± 30	111.26 ± 3.87	44.74 ± 0.30	51.62 ± 0.56	218.59 ± 2.42	3.444 ± 0.131	5468.5 ± 182.4	2108.1 ± 70.6	507.8 ± 9.1	692.1 ± 29.5	2581.0 ± 116.8	719.7 ± 37.6	641.6 ± 80.3	53.2 ± 5.6
SEGI17	2012	1050 ± 60	104.57 ± 3.77	52.51 ± 0.36	53.74 ± 0.59	191.25 ± 1.90	2.734 ± 0.177	6671.3 ± 214.3	2509.1 ± 83.8	538.0 ± 8.6	859.0 ± 34.7	3197.2 ± 137.6	903.3 ± 45.4	705.8 ± 78.1	35.2 ± 3.5
SEGI18	2005	1200 ± 110	191.54 ± 6.39	73.48 ± 0.63	90.11 ± 0.98	364.48 ± 3.94	6.569 ± 0.189	10663.3 ± 491.3	4145.3 ± 188.0	931.4 ± 25.3	1373.2 ± 80.7	5003.7 ± 319.6	1511.7 ± 105.0	296.8 ± 96.0	30.6 ± 8.3
SEGI19	2009	1200 ± 10	224.84 ± 7.16	66.34 ± 0.41	91.49 ± 0.70	457.70 ± 4.09	8.383 ± 0.054	8243.3 ± 309.4	3373.3 ± 123.0	947.0 ± 14.4	1024.1 ± 50.4	3740.6 ± 201.0	1120.8 ± 68.6	389.7 ± 117.6	28.7 ± 7.4
SEGI20	2011	1320 ± 40	74.76 ± 6.43	74.76 ± 6.43	86.29 ± 0.81	354.55 ± 3.24	9.567 ± 0.514	8915.5 ± 298.5	3454.4 ± 117.1	801.3 ± 12.4	1132.9 ± 48.2	4205.3 ± 190.6	1201.2 ± 62.8	1862.8 ± 266.9	110.7 ± 13.8
SEGI21	2012	1360 ± 20	207.12 ± 6.98	78.66 ± 0.51	111.81 ± 0.96	389.45 ± 4.41	7.075 ± 0.508	9528.4 ± 308.0	3809.2 ± 124.5	974.2 ± 18.0	1187.6 ± 50.2	4385.8 ± 201.5	1277.1 ± 70.5	1457.3 ± 201.7	67.3 ± 8.4
SEGI22	2012	1380 ± 40	219.70 ± 7.53	78.81 ± 0.54	93.15 ± 0.90	431.67 ± 4.30	18.410 ± 0.566	9153.8 ± 330.3	3592.4 ± 128.8	878.0 ± 16.6	1146.5 ± 53.5	4273.9 ± 212.1	1206.3 ± 69.3	235.5 ± 35.1	15.5 ± 2.0
SEGI23	2012	1490 ± 30	48.20 ± 1.90	24.85 ± 0.20	25.92 ± 0.33	84.37 ± 1.01	7.032 ± 0.322	2230.1 ± 73.5	914.6 ± 28.2	286.4 ± 3.6	264.8 ± 12.0	1000.1 ± 47.0	272.9 ± 14.7	163.0 ± 18.3	8.0 ± 0.8
SEGI24	2011	1620 ± 60	95.15 ± 3.57	45.47 ± 0.28	32.41 ± 0.41	188.99 ± 1.65	6.369 ± 0.308	3725.2 ± 125.3	1527.5 ± 50.2	463.5 ± 5.5	453.8 ± 20.1	1674.9 ± 79.5	477.9 ± 26.3	11.0 ± 1.3	1.1 ± 0.1
SEGI25	2009	1630 ± 350	303.51 ± 9.84	94.74 ± 0.63	112.01 ± 0.93	615.88 ± 4.64	23.205 ± 0.160	10224.6 ± 463.2	4149.4 ± 178.4	1102.2 ± 22.0	1286.9 ± 76.4	4654.5 ± 303.2	1447.6 ± 101.2	409.0 ± 56.0	25.5 ± 3.0
SEGI26	2012	1670 ± 50	147.49 ± 5.30	59.90 ± 0.36	45.89 ± 0.52	298.43 ± 2.33	14.265 ± 0.339	6696.1 ± 207.1	2563.9 ± 79.6	626.7 ± 8.8	848.5 ± 33.8	3172.2 ± 133.9	892.0 ± 43.7	1165.5 ± 135.6	72.3 ± 7.3
SEGI27	2012	1790 ± 40	77.11 ± 2.76	34.27 ± 0.25	39.30 ± 0.46	146.77 ± 1.79	2.627 ± 0.181	3725.2 ± 111.0	1493.1 ± 42.7	425.9 ± 5.9	456.7 ± 17.8	1707.7 ± 69.3	469.5 ± 21.3	343.7 ± 37.9	13.8 ± 1.4
SEGI28	2009	1880 ± 30	247.00 ± 8.44	84.57 ± 0.46	89.04 ± 0.74	510.51 ± 3.91	11.295 ± 0.653	7512.1 ± 268.3	3041.4 ± 105.0	890.2 ± 12.3	924.9 ± 44.1	3425.3 ± 176.9	998.2 ± 60.0	531.6 ± 63.7	36.4 ± 3.8
SEGI29	2011	1920 ± 40	282.95 ± 8.91	73.65 ± 0.44	100.40 ± 0.74	594.76 ± 4.32	10.625 ± 0.334	11123.1 ± 360.2	4294.6 ± 139.0	1016.9 ± 14.4	1418.4 ± 57.9	5275.7 ± 227.0	1482.7 ± 72.3	1298.1 ± 163.5	93.3 ± 10.1
SEGI30	2011	2410 ± 40	294.82 ± 9.45	79.79 ± 0.37	81.38 ± 0.57	627.67 ± 3.92	23.745 ± 0.536	7158.5 ± 220.1	2949.5 ± 85.9	928.1 ± 10.3	865.4 ± 35.8	3228.2 ± 142.8	910.8 ± 47.5	240.9 ± 28.1	14.0 ± 1.4
SEGI31	2012	2510 ± 80	385.88 ± 12.80	106.47 ± 0.63	105.33 ± 0.95	827.05 ± 5.27	31.051 ± 0.939	12289.7 ± 397.2	4752.9 ± 155.5	1136.1 ± 16.8	1562.6 ± 63.9	5812.8 ± 251.7	1636.5 ± 82.1	1090.6 ± 136.7	85.7 ± 9.1
SEGI32	2011	3240 ± 360	550.25 ± 17.44	164.94 ± 0.75	171.41 ± 1.07	1121.90 ± 7.66	50.258 ± 0.535	14730.0 ± 547.7	5977.7 ± 219.2	1538.0 ± 24.1	1831.6 ± 87.5	6726.5 ± 346.8	1937.3 ± 115.5	787.5 ± 99.3	80.1 ± 8.2
SEGI33	2012	33 ± 1	0.03 ± 0.00	0.03 ± 0.00	0.07 ± 0.00	0.00 ± 0.000	0.00 ± 0.000	26.8 ± 1.3	10.0 ± 0.4	0.0 ± 0.0	4.2 ± 0.3	17.2 ± 1.0	2.9 ± 0.1	0.0 ± 0.0	0.0 ± 0.0
SEGI34	2005	120 ± 10	8.56 ± 0.43	6.89 ± 0.17	10.20 ± 0.25	9.37 ± 0.22	0.000 ± 0.000	1665.0 ± 106.1	566.9 ± 33.1	77.4 ± 3.7	220.3 ± 17.0	848.0 ± 68.1	214.8 ± 18.5	30.6 ± 7.9	1.8 ± 0.4
SEGI35	2007	120 ± 10	8.65 ± 0.44	6.95 ± 0.17	8.52 ± 0.21	11.29 ± 0.26	0.000 ± 0.000	1710.0 ± 107.1	583.2 ± 33.7	82.9 ± 3.9	226.4 ± 17.1	869.9 ± 68.7	224.8 ± 19.3	31.6 ± 8.3	2.0 ± 0.5
SEGI36	2005	200 ± 20	33.65 ± 1.55	20.76 ± 0.39	20.09 ± 0.38	58.09 ± 1.08	0.507 ± 0.010	3634.3 ± 254.0	1321.7 ± 85.2	255.8 ± 9.7	472.1 ± 39.0	1776.1 ± 154.2	508.9 ± 43.8	130.4 ± 31.6	6.9 ± 1.5
SEGI37	2005	470 ± 20	83.83 ± 4.26	46.60 ± 1.11	37.77 ± 0.90	154.63 ± 3.24	3.053 ± 0.074	6526.2 ± 680.3	2492.1 ± 232.8	516.9 ± 28.1	839.2 ± 100.6	3092.4 ± 386.4	1014.2 ± 87.3	210.6 ± 50.9	18.6 ± 3.8
SEGI38	2005	820 ± 20	143.72 ± 8.04	70.06 ± 2.02	68.42 ± 1.97	265.96 ± 6.32	3.868 ± 0.111	9524.4 ± 1219.8	3755.7 ± 425.5	888.1 ± 49.0	1216.2 ± 177.2	4422.1 ± 670.3	1569.1 ± 135.0	759.9 ± 170.3	34.8 ± 7.1
SEGI39	2005	1270 ± 70	238.34 ± 9.01	86.21 ± 0.85	94.29 ± 0.93	470.53 ± 5.50	16.434 ± 0.207	9155.4 ± 574.2	3615.5 ± 209.2	875.3 ± 26.8	1152.1 ± 87.0	4253.9 ± 336.3	1230.7 ± 105.9	452.1 ± 101.0	21.3 ± 4.4
SEGI40	2012	2030 ± 80	258.41 ± 9.52	86.86 ± 0.76	120.45 ± 1.06	497.96 ± 5.48	16.424 ± 0.193	9588.0 ± 600.9	3801.9 ± 219.8	959.6 ± 28.8	1204.7 ± 90.9	4443.7 ± 351.1	1286.9 ± 110.7	1007.0 ± 229.2	56.0 ± 11.0
SEGI41	2007	2600 ± 200	452.39 ± 14.61	137.22 ± 0.67	128.93 ± 0.99	966.60 ± 5.55	20.063 ± 0.064	10797.7 ± 397.4	4470.3 ± 157.2	1333.5 ± 18.6	1329.6 ± 64.9	4850.8 ± 258.7	1467.2 ± 88.3	221.7 ± 66.2	23.5 ± 5.6
SEGI42	1999	2900 ± 100	549.51 ± 23.66	166.46 ± 2.56	129.41 ± 4.06	1142.62 ± 17.56	68.247 ± 1.209	12512.2 ± 1061.9	5104.1 ± 392.8	1233.8 ± 38.0	1545.5 ± 154.1	5704.5 ± 589.6	1493.2 ± 128.5	1489.1 ± 345.0	86.6 ± 19.9
SEGI43	2013	3200 ± 100	582.09 ± 22.27	139.57 ± 1.43	200.19 ± 2.05	1200.97 ± 14.79	50.663 ± 0.656	13541.6 ± 916.8	5545.8 ± 345.8	1500.1 ± 46.7	1677.0 ± 135.4	6155.0 ± 519.6	1731.2 ± 148.9	1529.1 ± 390.5	102.9 ± 22.6

Characteristics of 43 SEGI trees included in Sillett *et al.* 2015. Values given as estimate ± one standard error. Ages rounded to nearest decade for cored trees and to nearest century for trees not cored (values in italics).

Below are crown structures and vital statistics for SEGI trees 1-32 and 34-43. Each tree depicted with scale model showing main trunk, segments, branches, and dead regions from view angle best illustrating individuality. Main trunks and segments portrayed as cylinders with thickness equal to basal diameter, except partially mapped trees (i.e., SEGI 34-43). Click tree in table to view model then click tree model to rotate and pan in three dimensions.

SEGI 1

Minimum age (years): 39

Total dry mass (Mg): 0.7

Cambium (m²): 140

Leaf mass (kg): 69

Leaf area (m²): 275

Millions of leaves: 59.9

■ Trunk ■ Segments
■ Branches ■ Dead



SEGI 2

Minimum age (years): 70

Total dry mass (Mg): 5

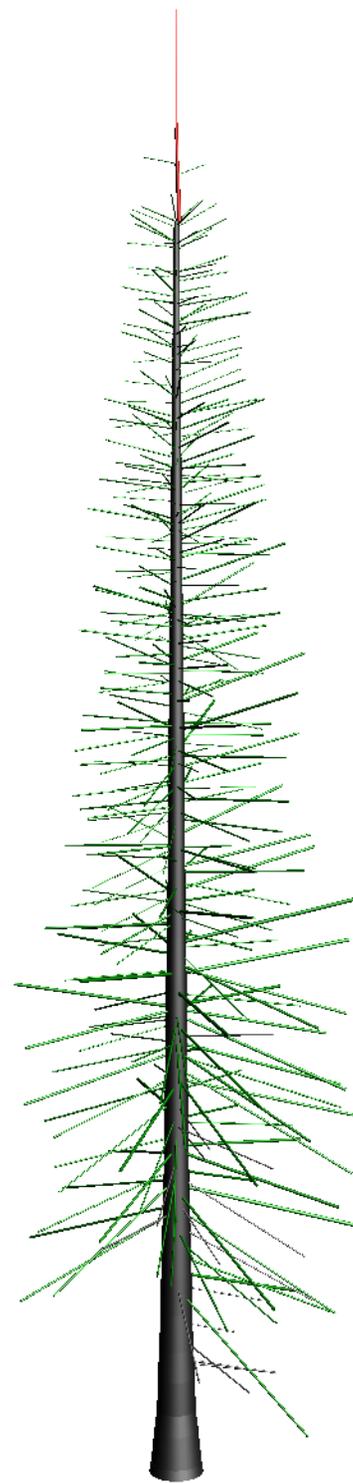
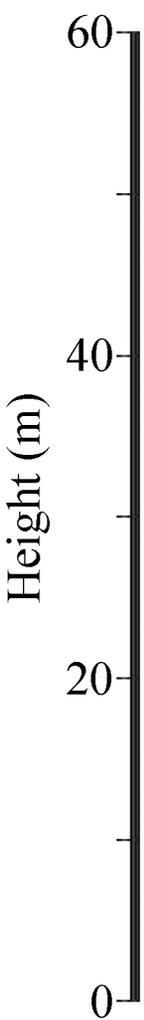
Cambium (m²): 658

Leaf mass (kg): 297

Leaf area (m²): 1150

Millions of leaves: 287.8

■ Trunk ■ Segments
■ Branches ■ Dead



SEGI 3

Minimum age (years): 80

Total dry mass (Mg): 7

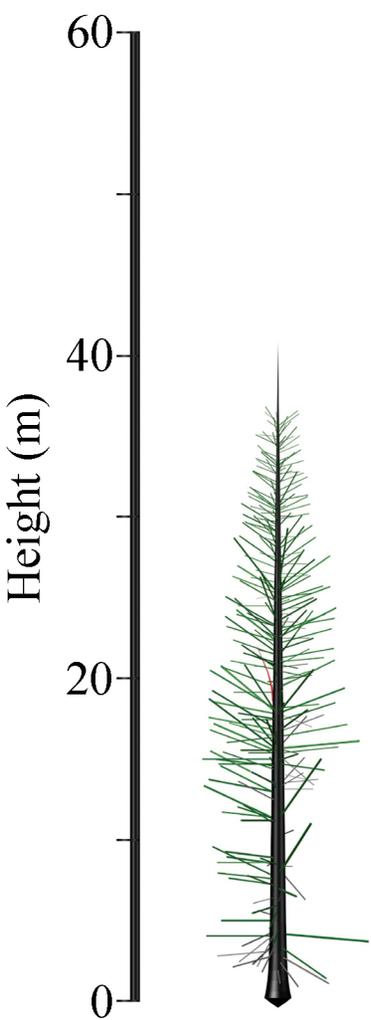
Cambium (m²): 711

Leaf mass (kg): 302

Leaf area (m²): 1155

Millions of leaves: 305.9

■ Trunk ■ Segments
■ Branches ■ Dead



SEGI 4

Minimum age (years): 110

Total dry mass (Mg): 10

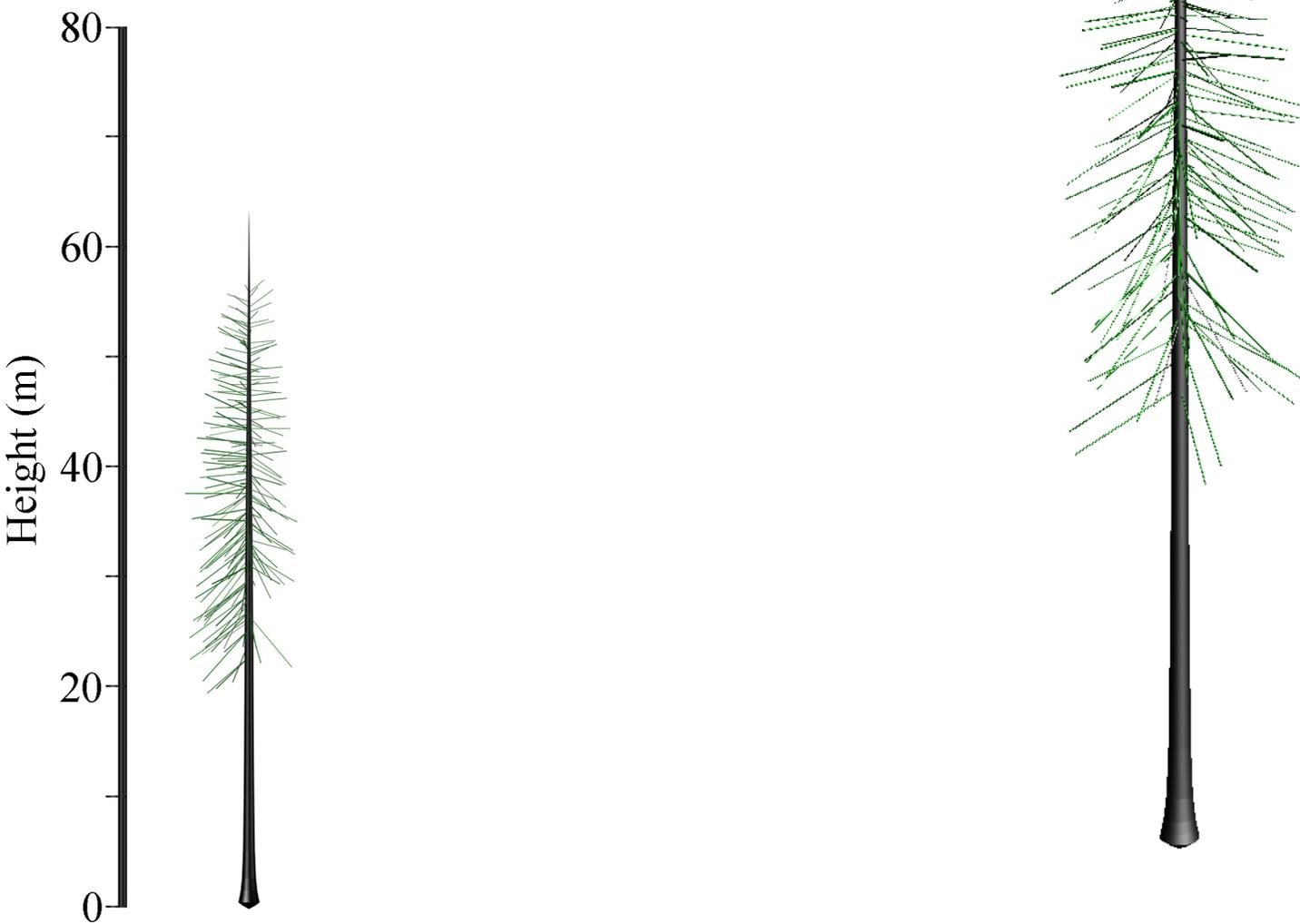
Cambium (m²): 631

Leaf mass (kg): 248

Leaf area (m²): 954

Millions of leaves: 247.1

Trunk Segments
Branches Dead



SEGI 5

Minimum age (years): 127

Total dry mass (Mg): 0.4

Cambium (m²): 100

Leaf mass (kg): 52

Leaf area (m²): 214

Millions of leaves: 41.5

■ Trunk ■ Segments
■ Branches ■ Dead



SEGI 6

Minimum age (years): 130

Total dry mass (Mg): 18

Cambium (m²): 1203

Leaf mass (kg): 482

Leaf area (m²): 1826

Millions of leaves: 493.5

■ Trunk ■ Segments
■ Branches ■ Dead



SEGI 7

Minimum age (years): 160

Total dry mass (Mg): 21

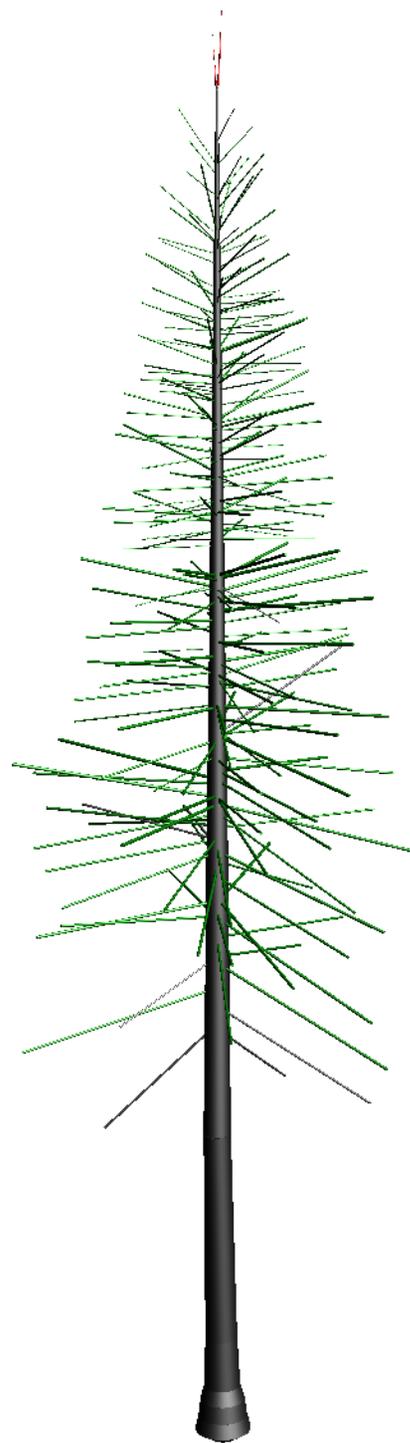
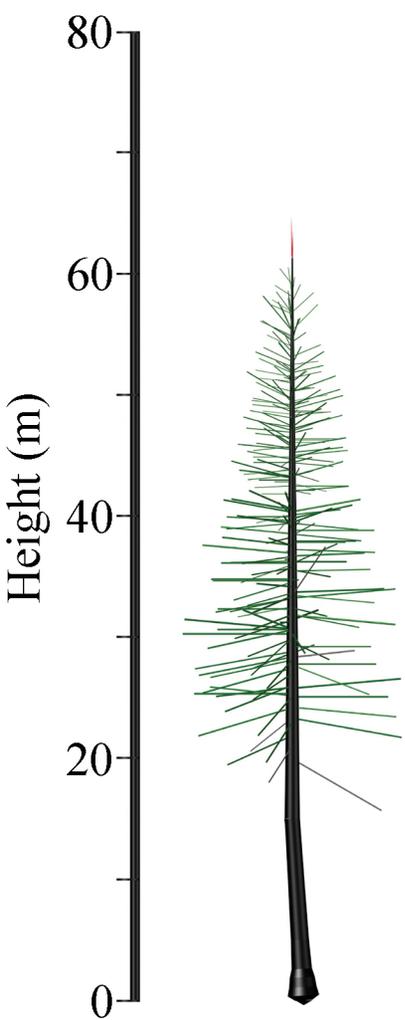
Cambium (m²): 1377

Leaf mass (kg): 549

Leaf area (m²): 2073

Millions of leaves: 565.2

■ Trunk ■ Segments
■ Branches ■ Dead



SEGI 8

Minimum age (years): 230

Total dry mass (Mg): 12

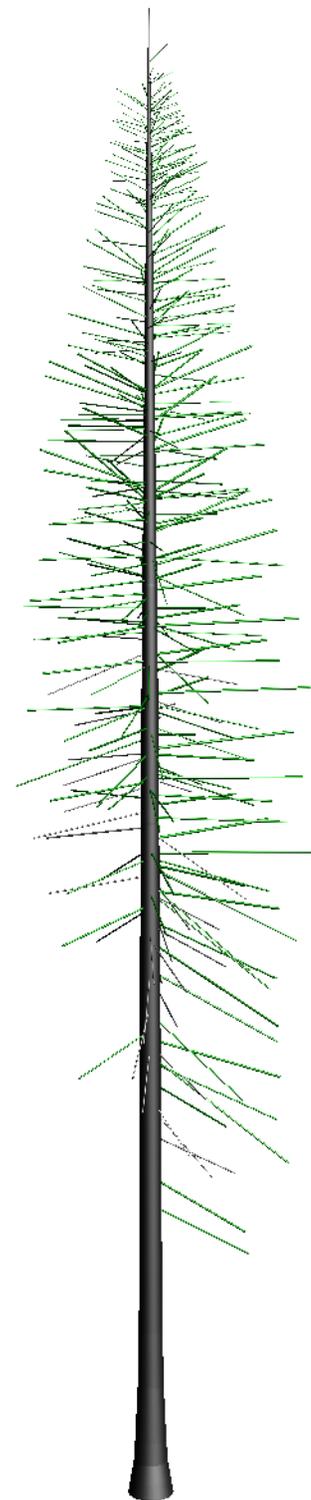
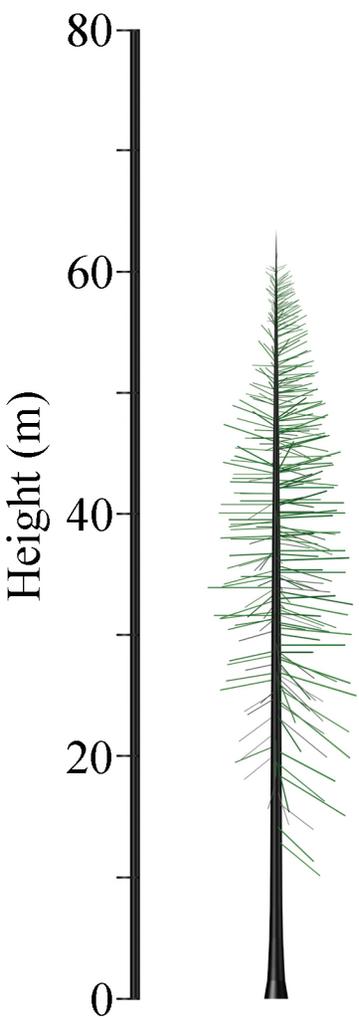
Cambium (m²): 897

Leaf mass (kg): 367

Leaf area (m²): 1399

Millions of leaves: 368.3

Trunk Segments
Branches Dead



SEGI 9

Minimum age (years): 251

Total dry mass (Mg): 18

Cambium (m²): 963

Leaf mass (kg): 360

Leaf area (m²): 1353

Millions of leaves: 377.6

■ Trunk ■ Segments
■ Branches ■ Dead



SEGI 10

Minimum age (years): 380

Total dry mass (Mg): 31

Cambium (m²): 1453

Leaf mass (kg): 535

Leaf area (m²): 2020

Millions of leaves: 556.8

■ Trunk ■ Segments
■ Branches ■ Dead



SEGI 11

Minimum age (years): 440

Total dry mass (Mg): 35

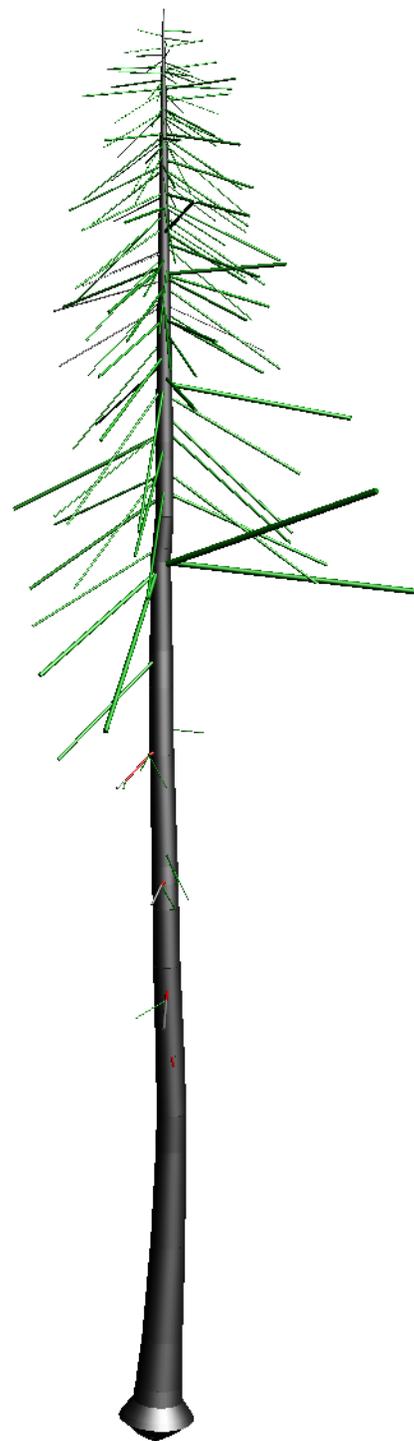
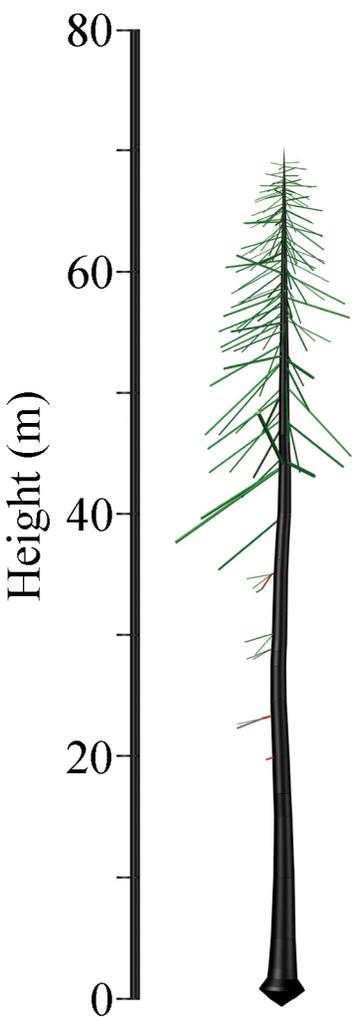
Cambium (m²): 1115

Leaf mass (kg): 381

Leaf area (m²): 1429

Millions of leaves: 402.4

Trunk Segments
Branches Dead



SEGI 12

Minimum age (years): 500

Total dry mass (Mg): 7

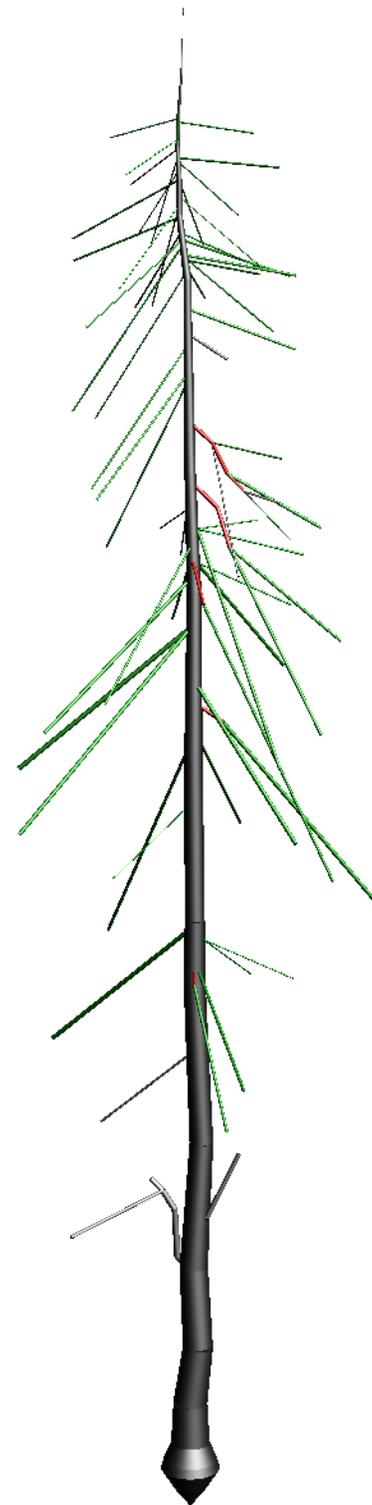
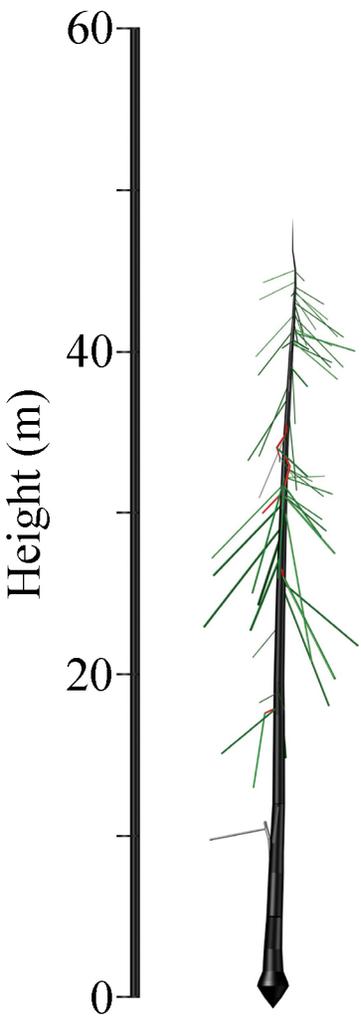
Cambium (m²): 404

Leaf mass (kg): 147

Leaf area (m²): 562

Millions of leaves: 146.3

■ Trunk ■ Segments
■ Branches ■ Dead



SEGI 13

Minimum age (years): 550

Total dry mass (Mg): 3

Cambium (m²): 271

Leaf mass (kg): 107

Leaf area (m²): 410

Millions of leaves: 105.3

Trunk Segments
Branches Dead



SEGI 14

Minimum age (years): 560

Total dry mass (Mg): 23

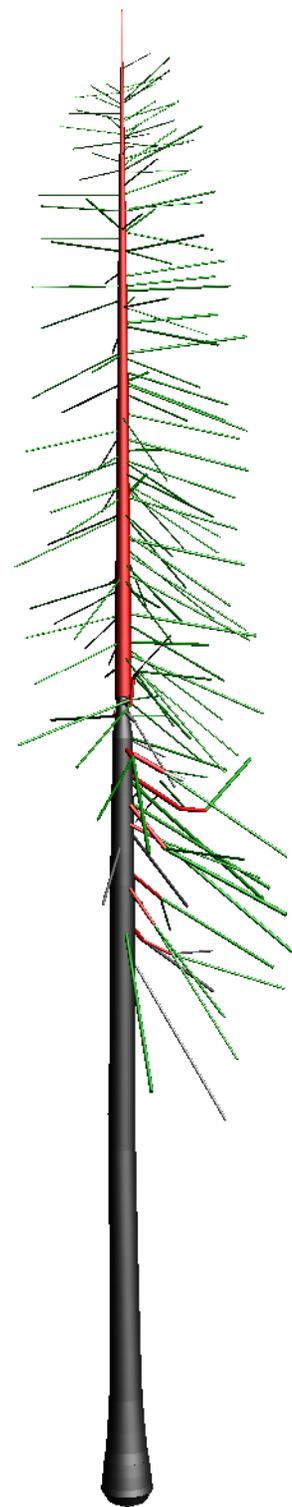
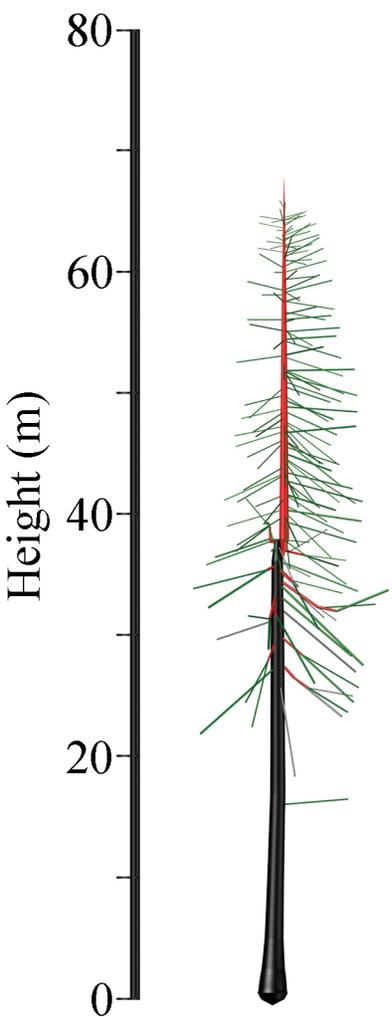
Cambium (m²): 1155

Leaf mass (kg): 431

Leaf area (m²): 1614

Millions of leaves: 442.9

■ Trunk ■ Segments
■ Branches ■ Dead



SEGI 15

Minimum age (years): 560

Total dry mass (Mg): 35

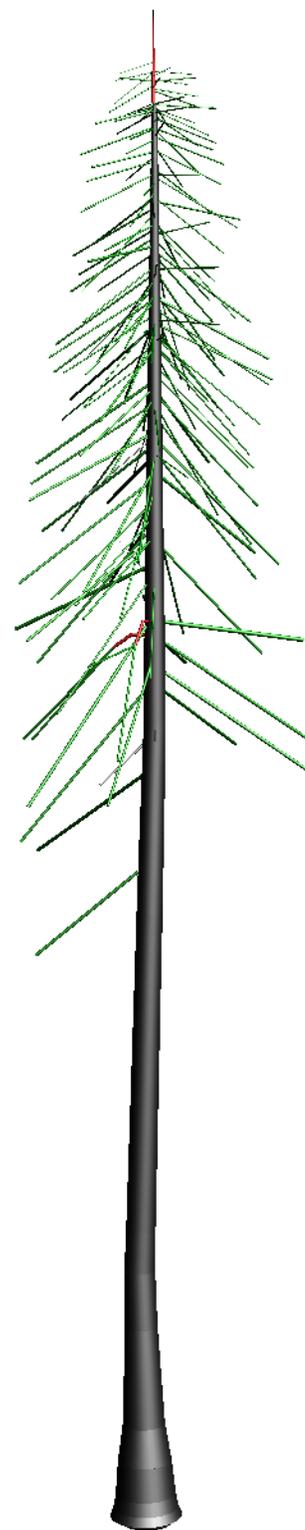
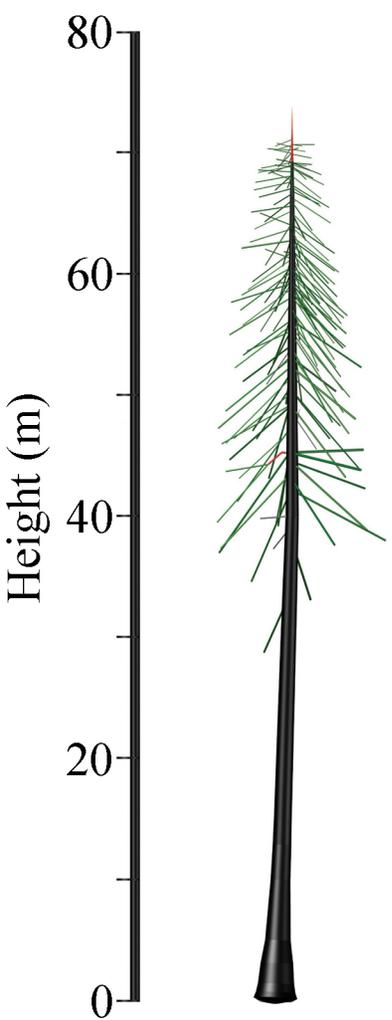
Cambium (m²): 1129

Leaf mass (kg): 398

Leaf area (m²): 1508

Millions of leaves: 411.2

■ Trunk ■ Segments
■ Branches ■ Dead



SEGI 16

Minimum age (years): 990

Total dry mass (Mg): 111

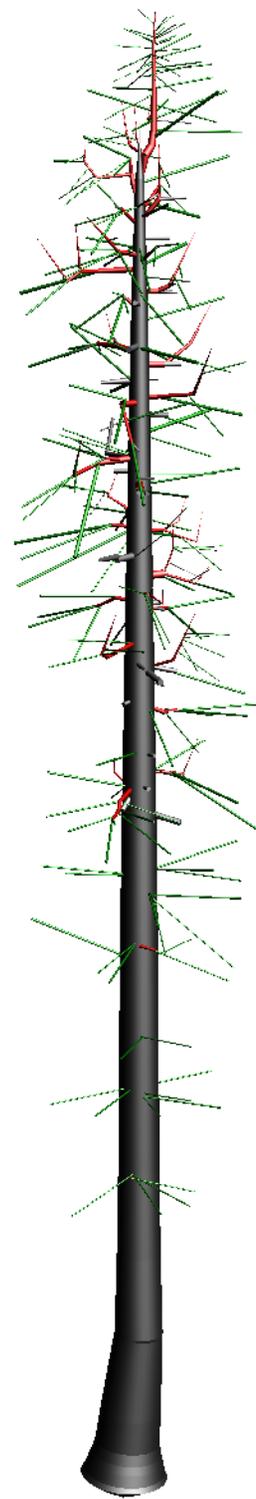
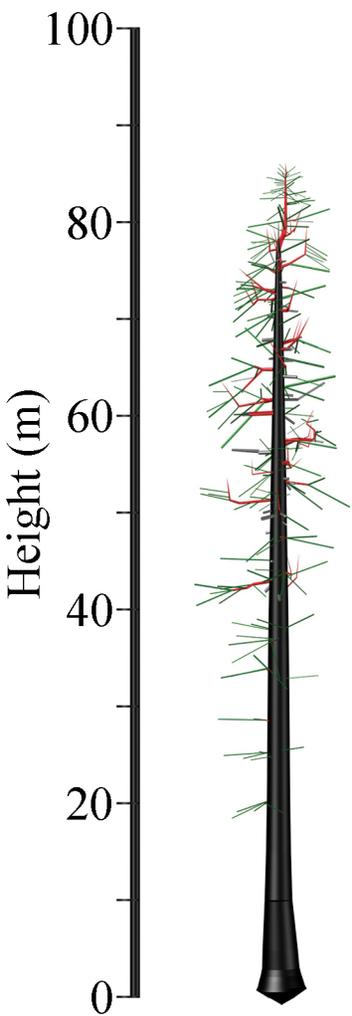
Cambium (m²): 2108

Leaf mass (kg): 692

Leaf area (m²): 2518

Millions of leaves: 719.7

■ Trunk ■ Segments
■ Branches ■ Dead



SEGI 17

Minimum age (years): 1050

Total dry mass (Mg): 105

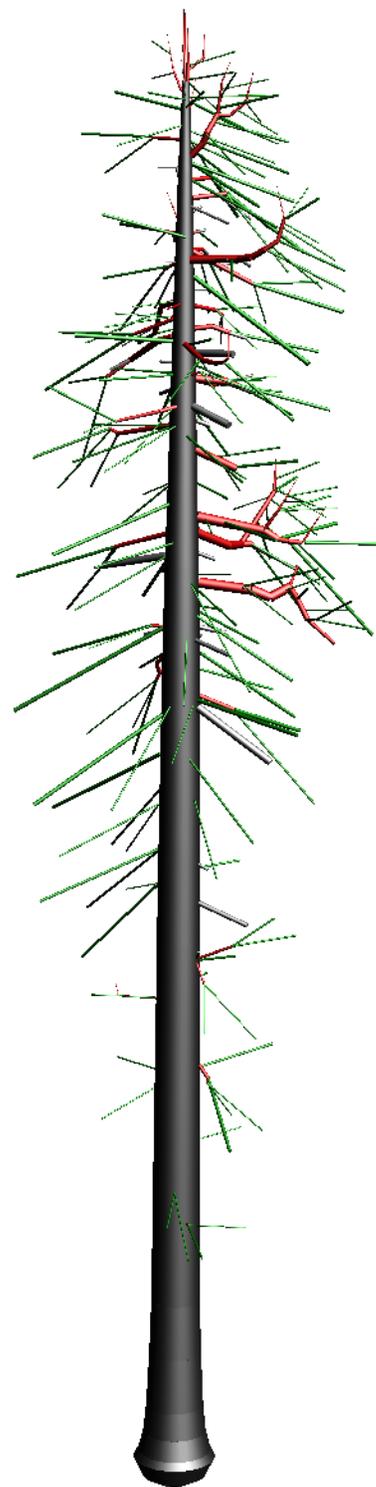
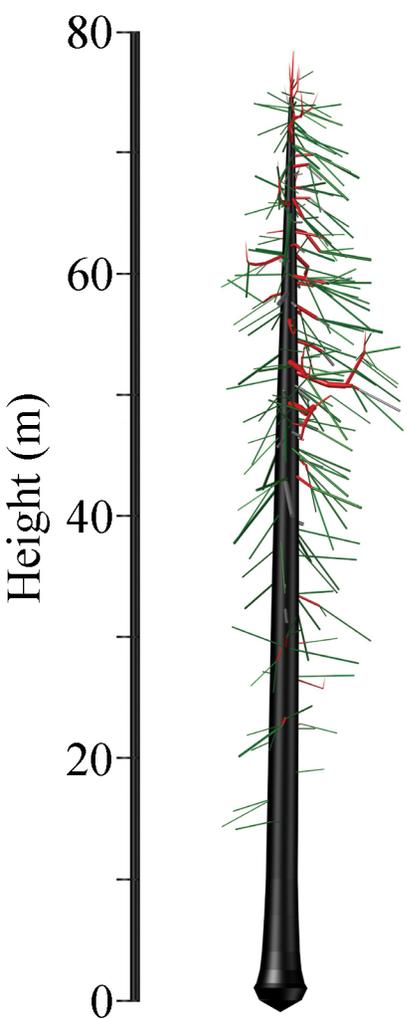
Cambium (m²): 2509

Leaf mass (kg): 859

Leaf area (m²): 3197

Millions of leaves: 903.3

■ Trunk ■ Segments
■ Branches ■ Dead



SEGI 18

Minimum age (years): 1200

Total dry mass (Mg): 192

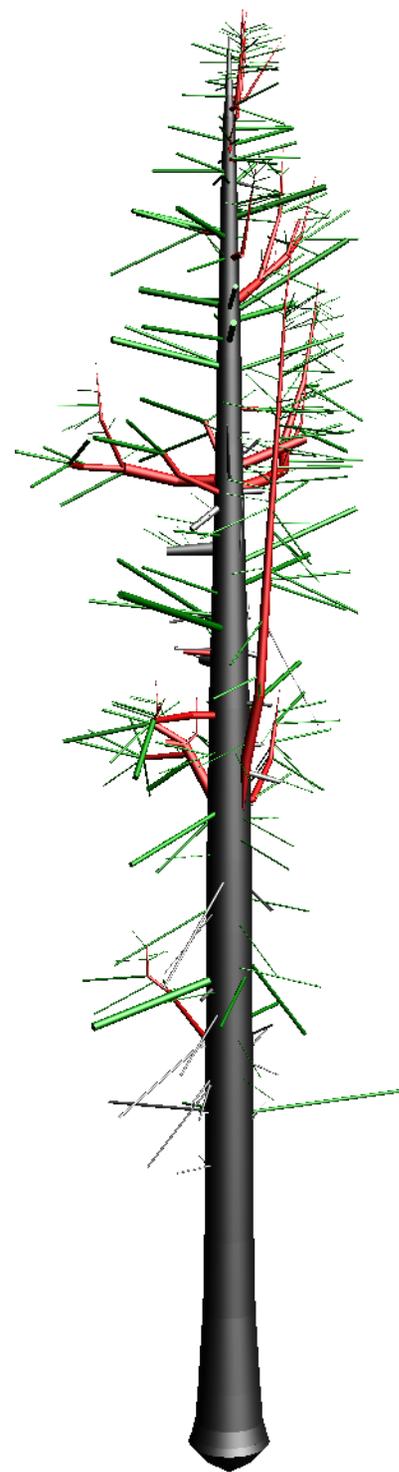
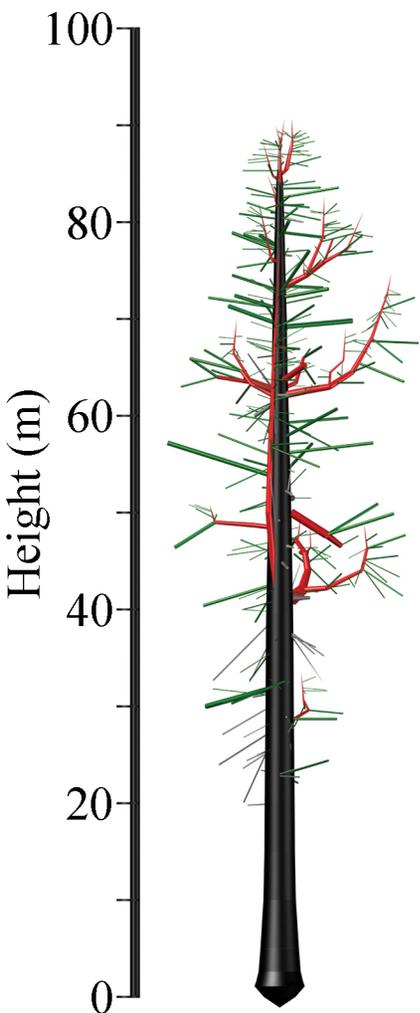
Cambium (m²): 4145

Leaf mass (kg): 1373

Leaf area (m²): 5004

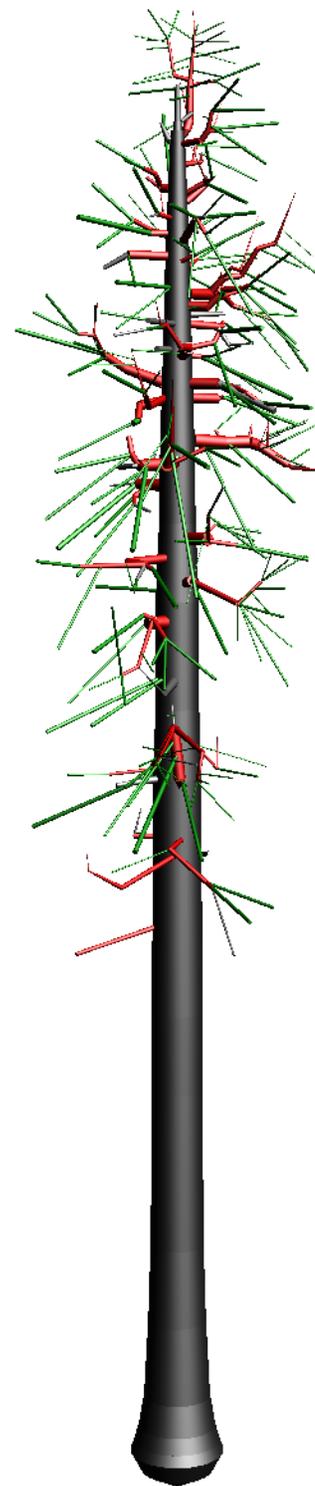
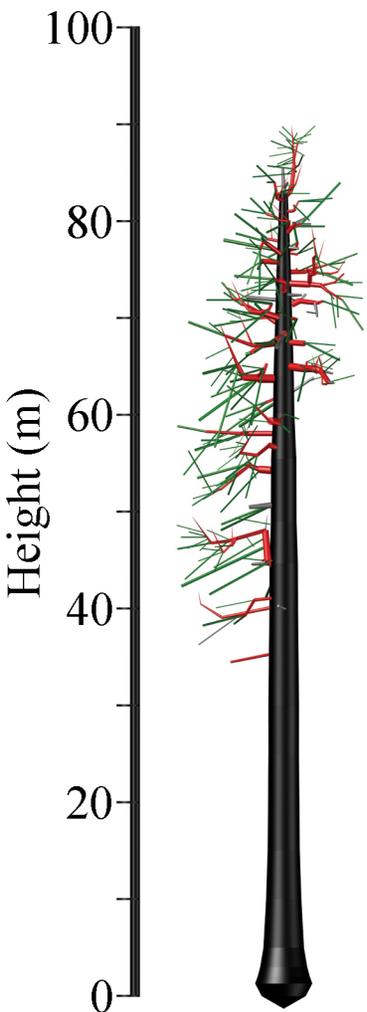
Millions of leaves: 1511.7

■ Trunk ■ Segments
■ Branches ■ Dead



SEGI 19
Minimum age (years): 1200
Total dry mass (Mg): 225
Cambium (m²): 3373
Leaf mass (kg): 1024
Leaf area (m²): 3741
Millions of leaves: 1120.8

Trunk Segments
Branches Dead



SEGI 20
Minimum age (years): 1320
Total dry mass (Mg): 186
Cambium (m²): 3454
Leaf mass (kg): 1133
Leaf area (m²): 4205
Millions of leaves: 1201.2

■ Trunk ■ Segments
■ Branches ■ Dead



SEGI 21

Minimum age (years): 1360

Total dry mass (Mg): 207

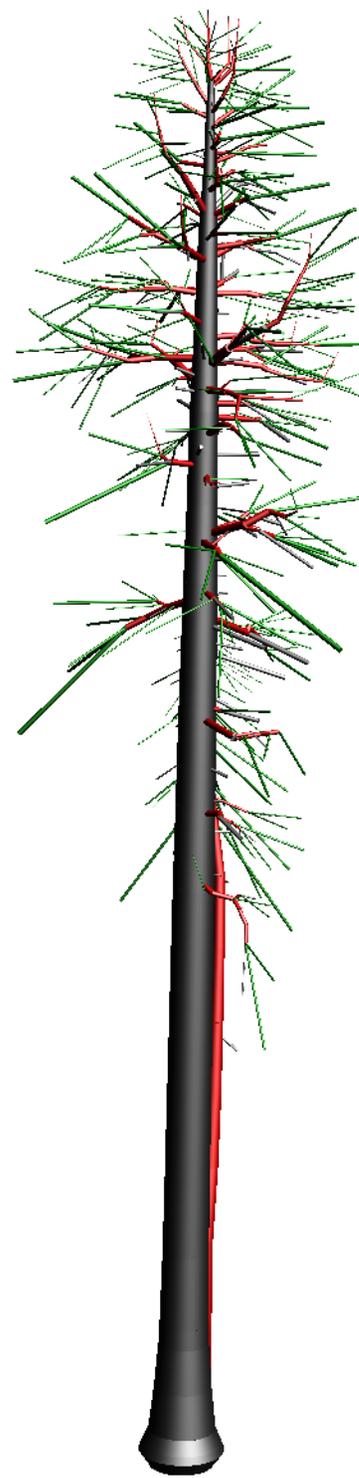
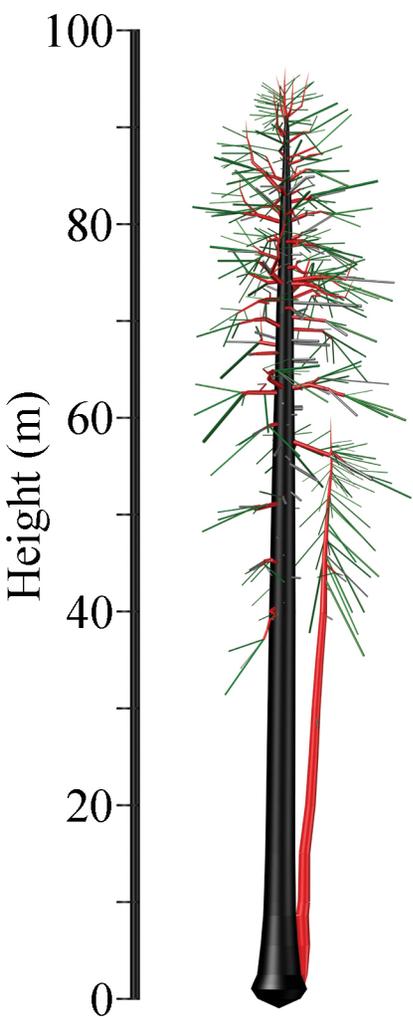
Cambium (m²): 3809

Leaf mass (kg): 1188

Leaf area (m²): 4386

Millions of leaves: 1277.1

■ Trunk ■ Segments
■ Branches ■ Dead



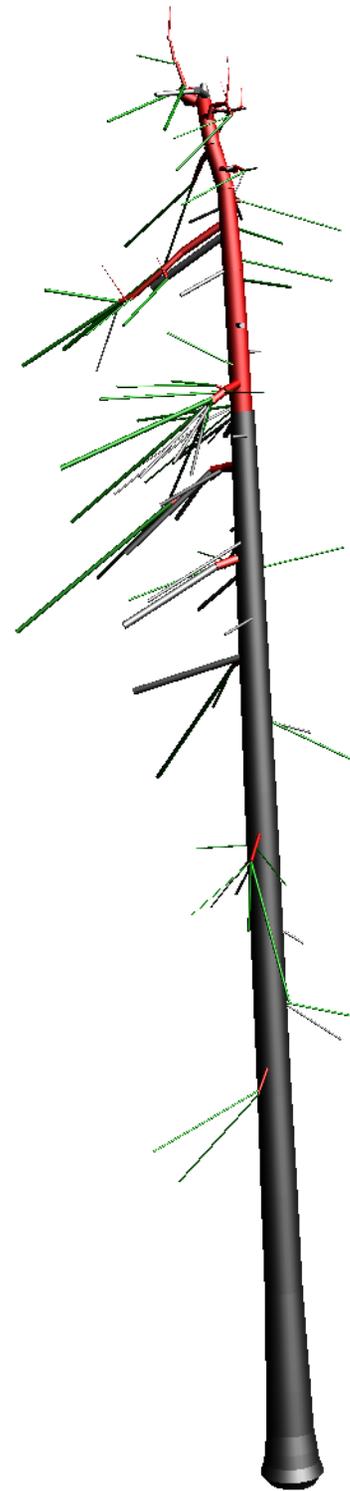
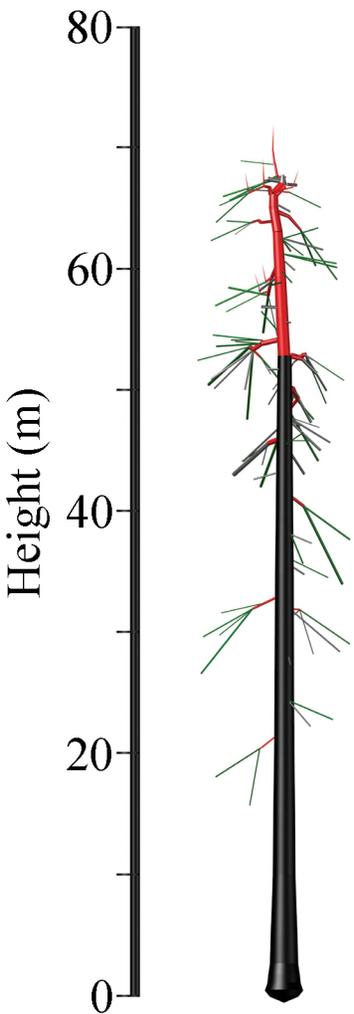
SEGI 22
Minimum age (years): 1380
Total dry mass (Mg): 220
Cambium (m²): 3592
Leaf mass (kg): 1146
Leaf area (m²): 4274
Millions of leaves: 1206.3

Trunk Segments
Branches Dead



SEGI 23
Minimum age (years): 1490
Total dry mass (Mg): 48
Cambium (m²): 915
Leaf mass (kg): 265
Leaf area (m²): 1000
Millions of leaves: 272.9

Trunk Segments
Branches Dead



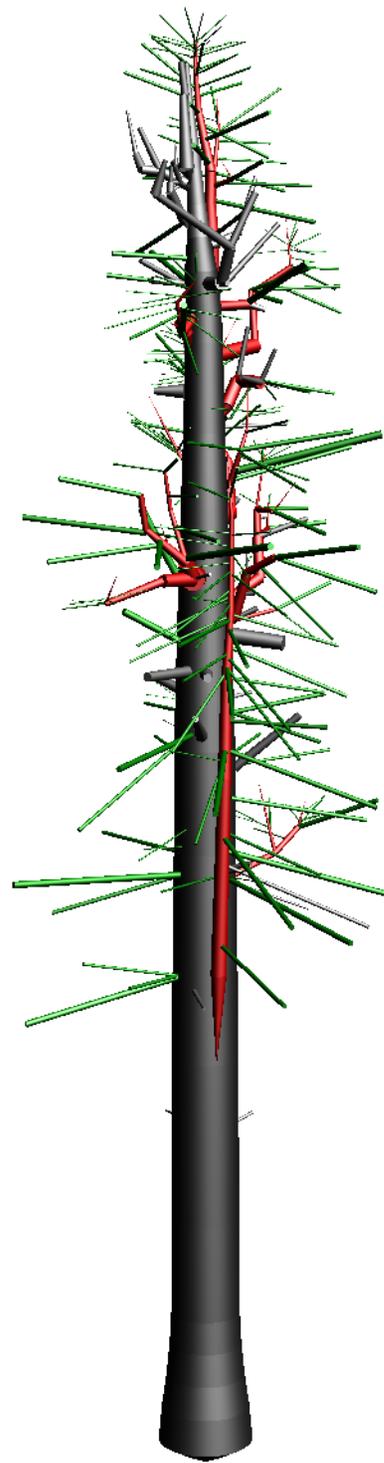
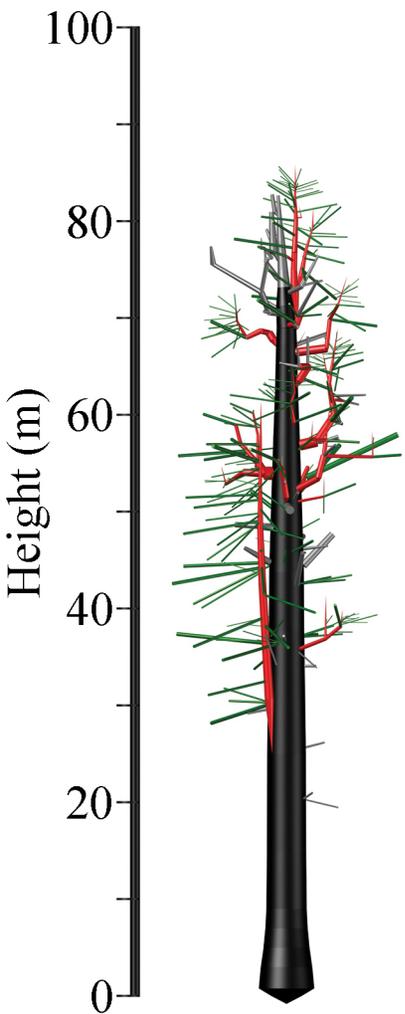
SEGI 24
Minimum age (years): 1620
Total dry mass (Mg): 95
Cambium (m²): 1528
Leaf mass (kg): 454
Leaf area (m²): 1675
Millions of leaves: 477.9

■ Trunk ■ Segments
■ Branches ■ Dead



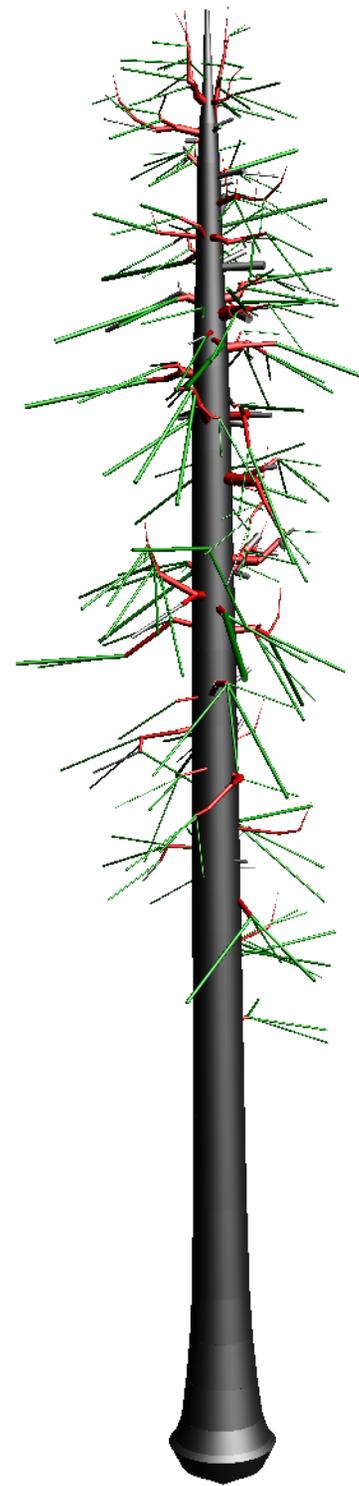
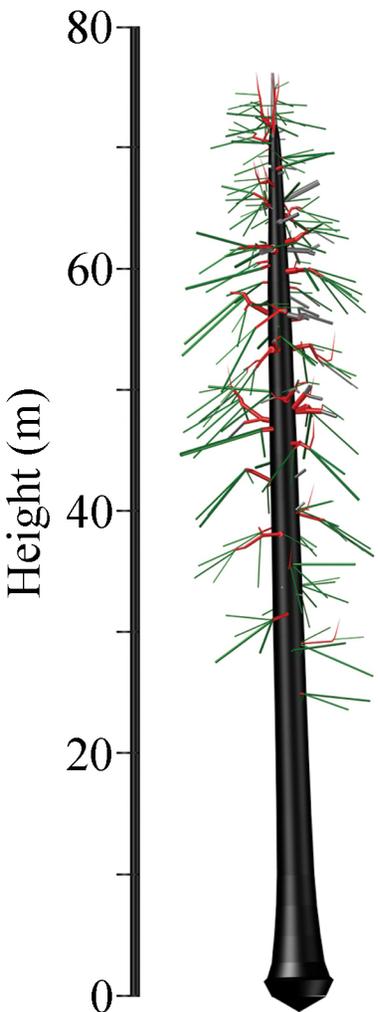
SEGI 25
Minimum age (years): 1630
Total dry mass (Mg): 304
Cambium (m²): 4149
Leaf mass (kg): 1287
Leaf area (m²): 4655
Millions of leaves: 1447.6

■ Trunk ■ Segments
■ Branches ■ Dead



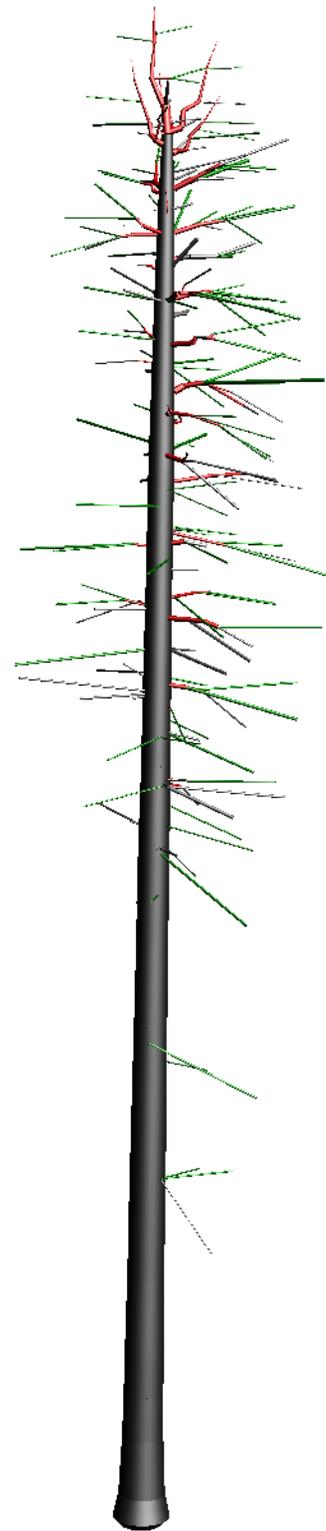
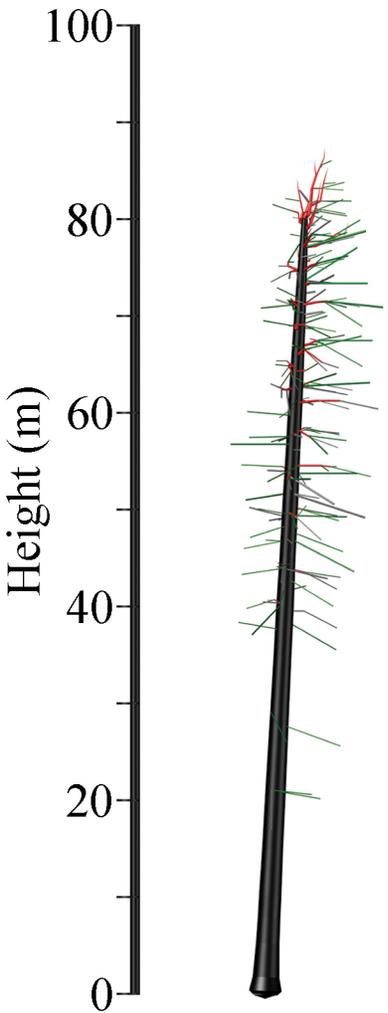
SEGI 26
Minimum age (years): 1670
Total dry mass (Mg): 147
Cambium (m²): 2564
Leaf mass (kg): 849
Leaf area (m²): 3172
Millions of leaves: 892.0

Trunk Segments
Branches Dead



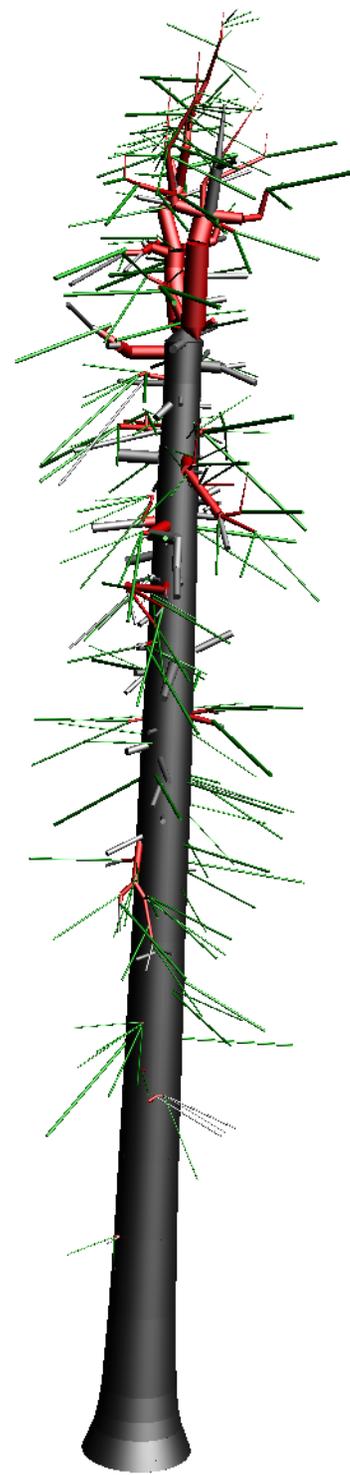
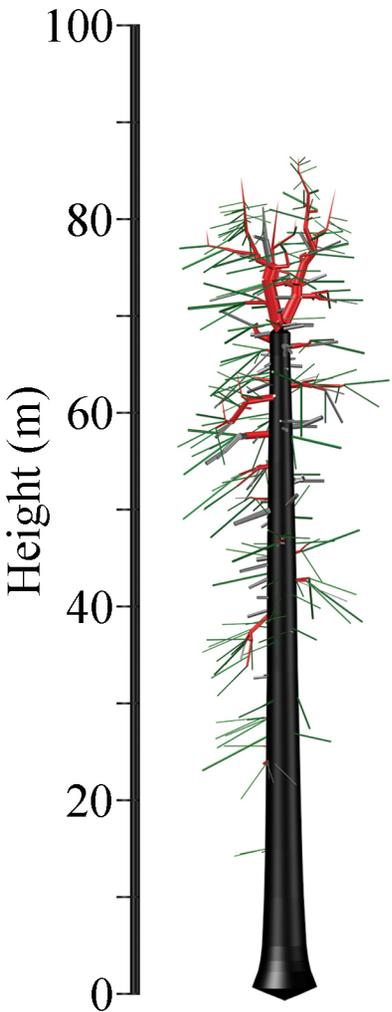
SEGI 27
Minimum age (years): 1790
Total dry mass (Mg): 77
Cambium (m²): 1493
Leaf mass (kg): 457
Leaf area (m²): 1708
Millions of leaves: 469.5

Trunk Segments
Branches Dead



SEGI 28
Minimum age (years): 1880
Total dry mass (Mg): 247
Cambium (m²): 3041
Leaf mass (kg): 925
Leaf area (m²): 3425
Millions of leaves: 998.2

Trunk Segments
Branches Dead



SEGI 29

Minimum age (years): 1920

Total dry mass (Mg): 283

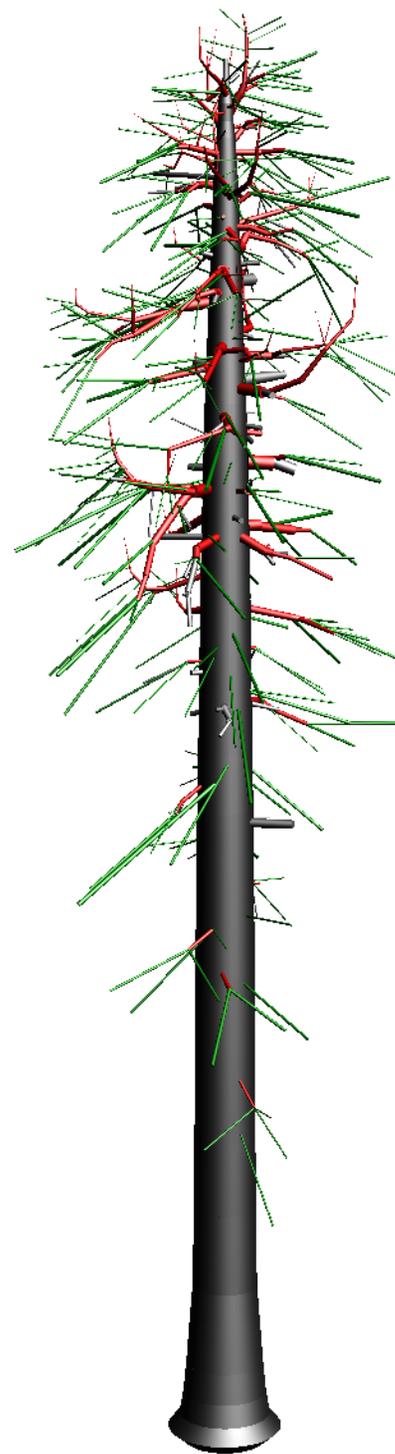
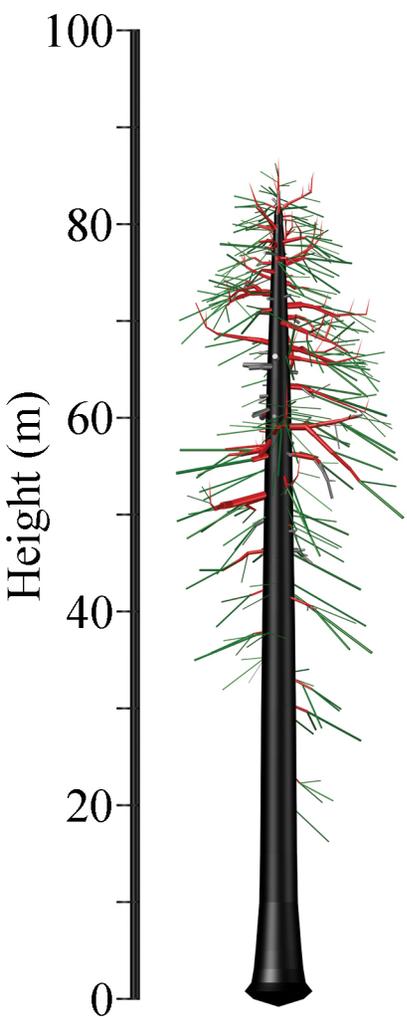
Cambium (m²): 4295

Leaf mass (kg): 1418

Leaf area (m²): 5276

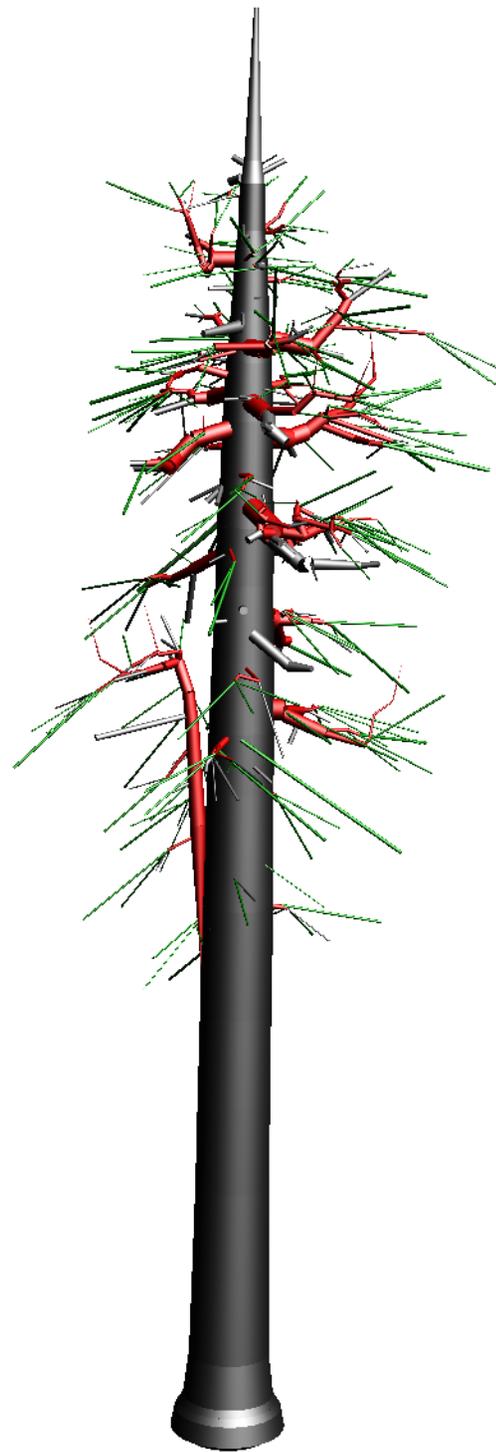
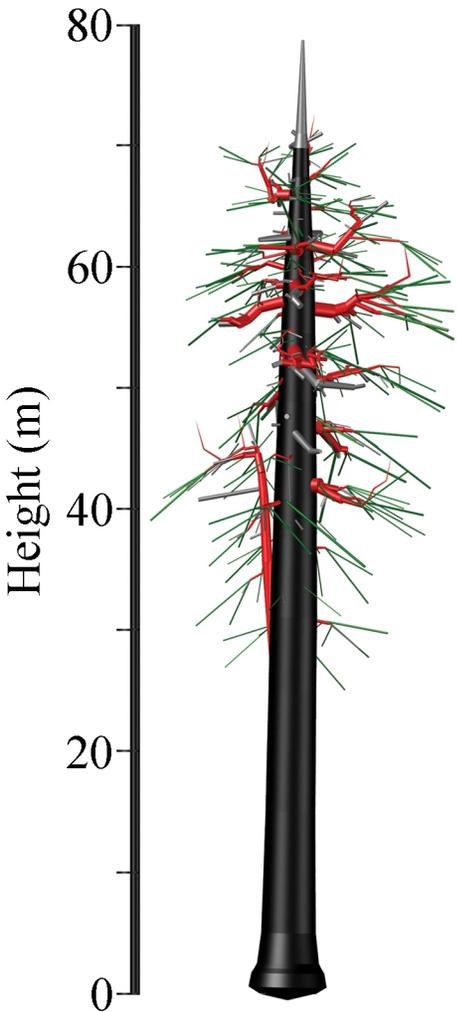
Millions of leaves: 1482.7

■ Trunk ■ Segments
■ Branches ■ Dead



SEGI 30
Minimum age (years): 2410
Total dry mass (Mg): 295
Cambium (m²): 2949
Leaf mass (kg): 865
Leaf area (m²): 3228
Millions of leaves: 910.8

Trunk Segments
Branches Dead



SEGI 31

Minimum age (years): 2510

Total dry mass (Mg): 386

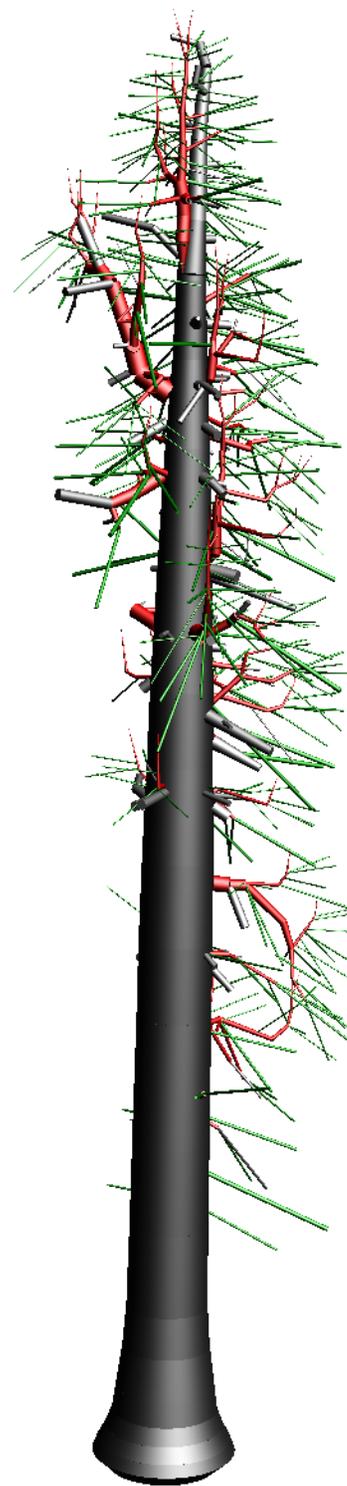
Cambium (m²): 4753

Leaf mass (kg): 1563

Leaf area (m²): 5813

Millions of leaves: 1636.5

■ Trunk ■ Segments
■ Branches ■ Dead



SEGI 32

Minimum age (years): 3240

Total dry mass (Mg): 550

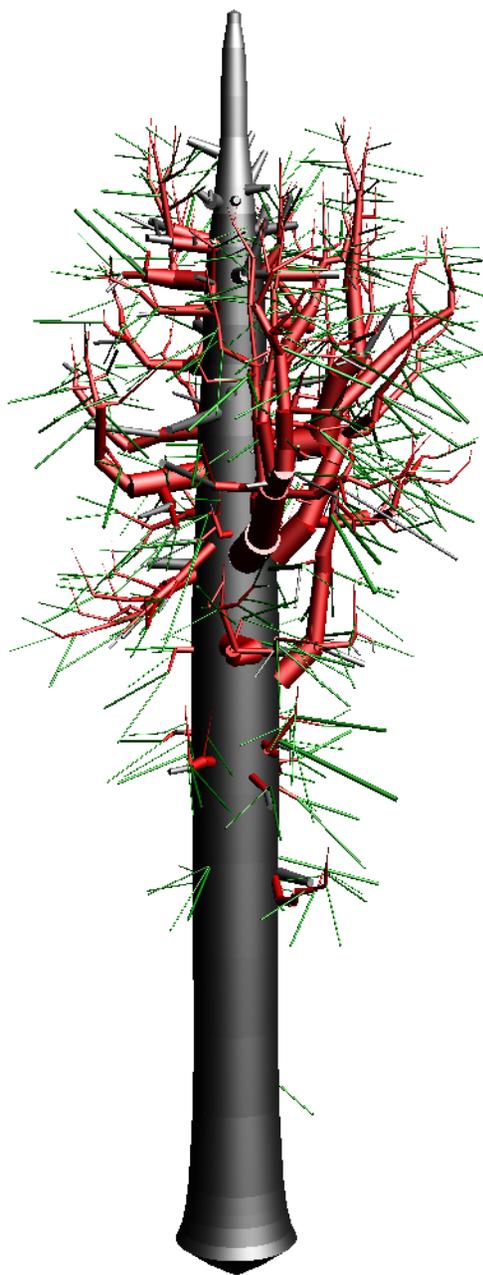
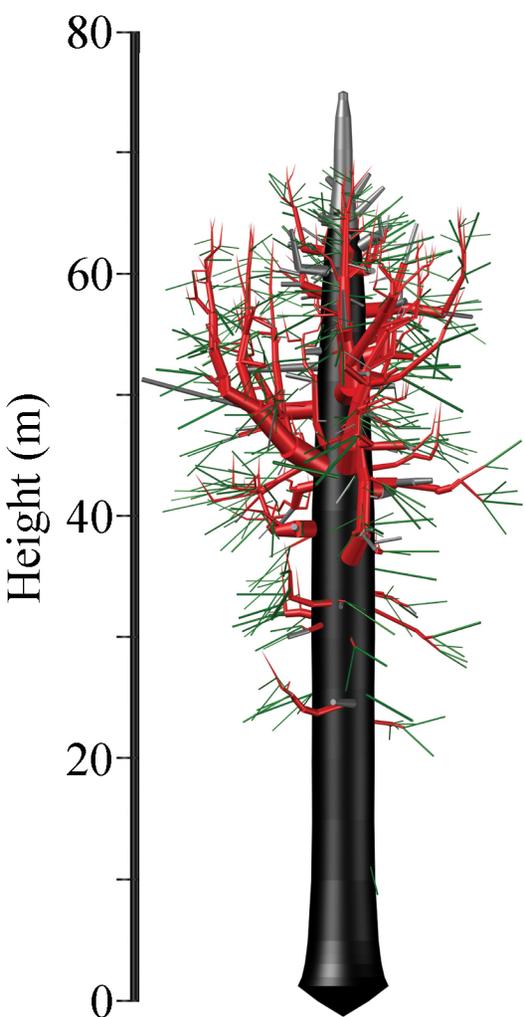
Cambium (m²): 5978

Leaf mass (kg): 1832

Leaf area (m²): 6727

Millions of leaves: 1937.3

■ Trunk ■ Segments
■ Branches ■ Dead



SEGI 34

Minimum age (years): 120

Total dry mass (Mg): 9

Cambium (m²): 567

Leaf mass (kg): 220

Leaf area (m²): 848

Millions of leaves: 214.8

■ Trunk ■ Segments
■ Branches ■ Dead



SEGI 35

Minimum age (years): 120

Total dry mass (Mg): 9

Cambium (m²): 583

Leaf mass (kg): 226

Leaf area (m²): 870

Millions of leaves: 224.8



SEGI 36

Minimum age (years): 200

Total dry mass (Mg): 34

Cambium (m²): 1322

Leaf mass (kg): 472

Leaf area (m²): 1776

Millions of leaves: 508.9

Trunk Segments
Branches Dead



SEGI 37

Minimum age (years): 470

Total dry mass (Mg): 84

Cambium (m²): 2492

Leaf mass (kg): 839

Leaf area (m²): 3092

Millions of leaves: 1014.2

Trunk Segments
Branches Dead



SEGI 38

Minimum age (years): 820

Total dry mass (Mg): 144

Cambium (m²): 3756

Leaf mass (kg): 1216

Leaf area (m²): 4422

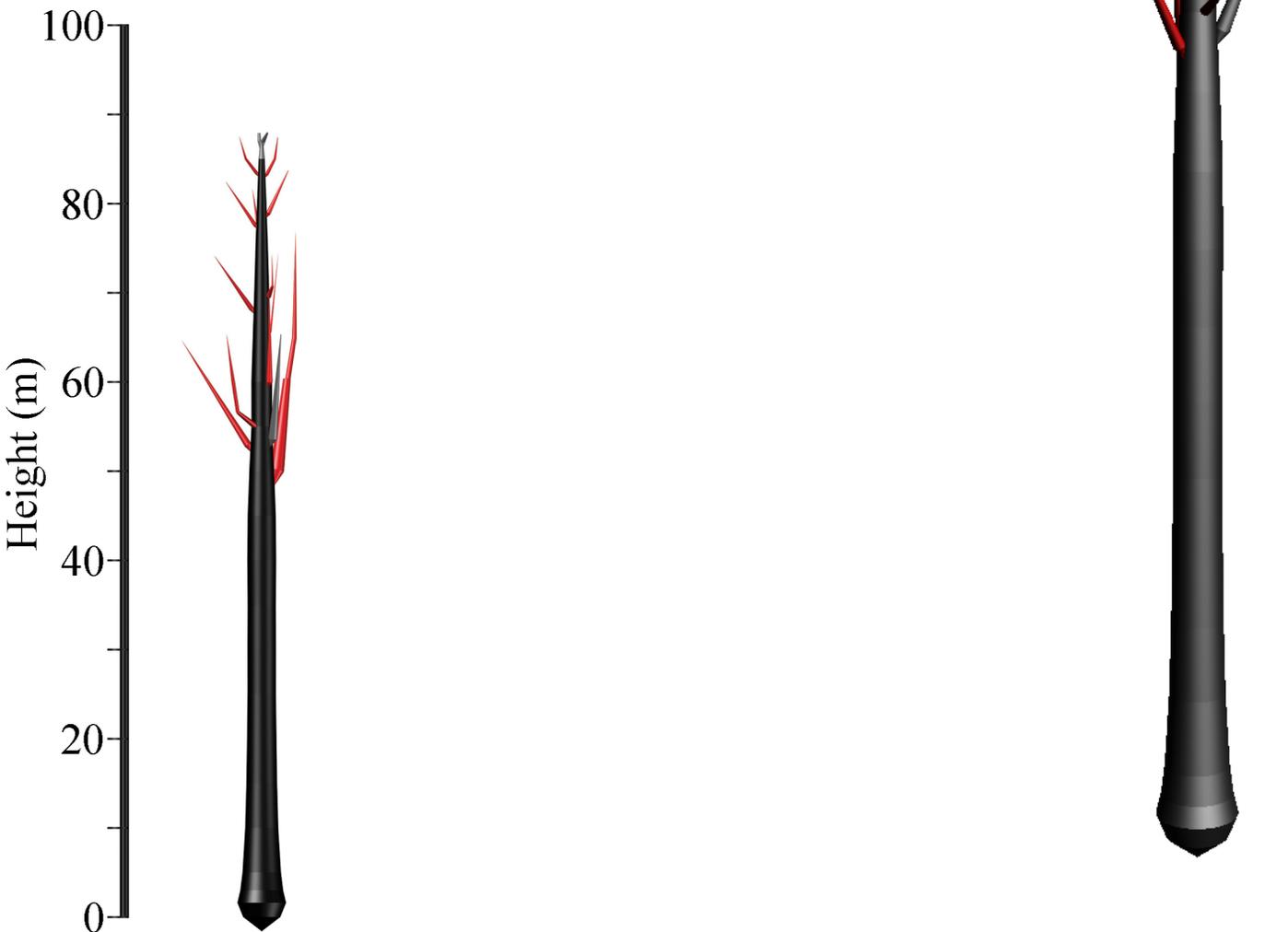
Millions of leaves: 1569.1

Trunk Segments
Branches Dead



SEGI 39
Minimum age (years): 1270
Total dry mass (Mg): 238
Cambium (m²): 3616
Leaf mass (kg): 1152
Leaf area (m²): 4254
Millions of leaves: 1230.7

■ Trunk ■ Segments
■ Branches ■ Dead



SEGI 40
Minimum age (years): 2030
Total dry mass (Mg): 258
Cambium (m²): 3802
Leaf mass (kg): 1205
Leaf area (m²): 4444
Millions of leaves: 1286.9

■ Trunk ■ Segments
■ Branches ■ Dead



SEGI 41

Minimum age (years): 2600

Total dry mass (Mg): 452

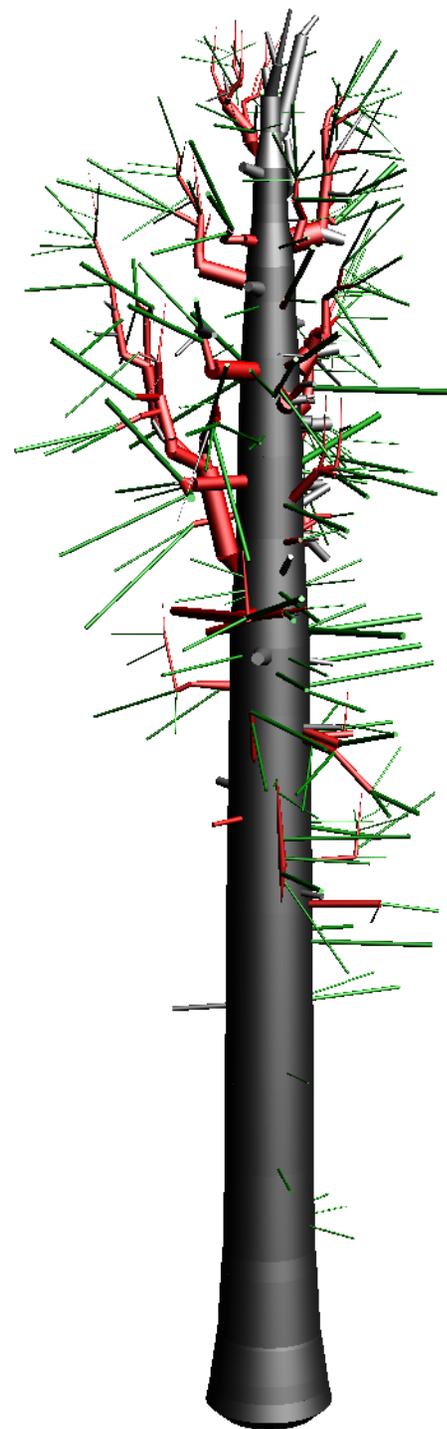
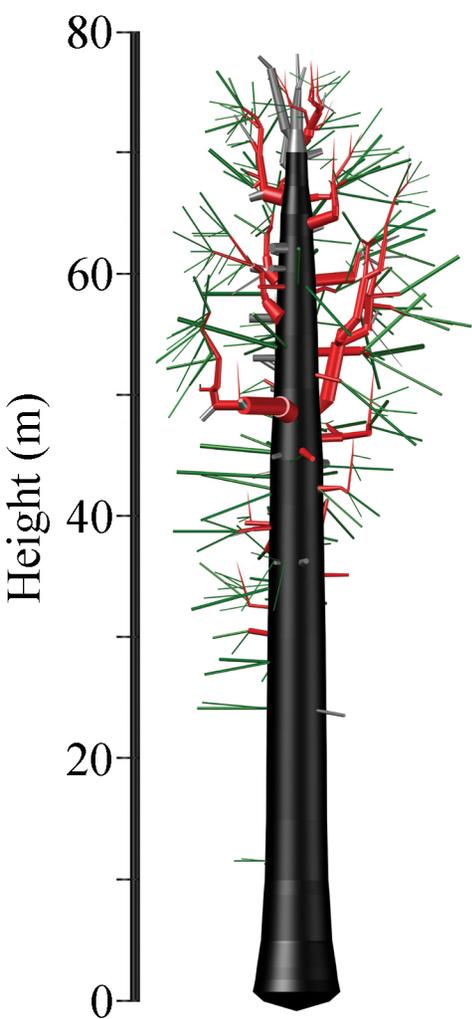
Cambium (m²): 4470

Leaf mass (kg): 1330

Leaf area (m²): 4851

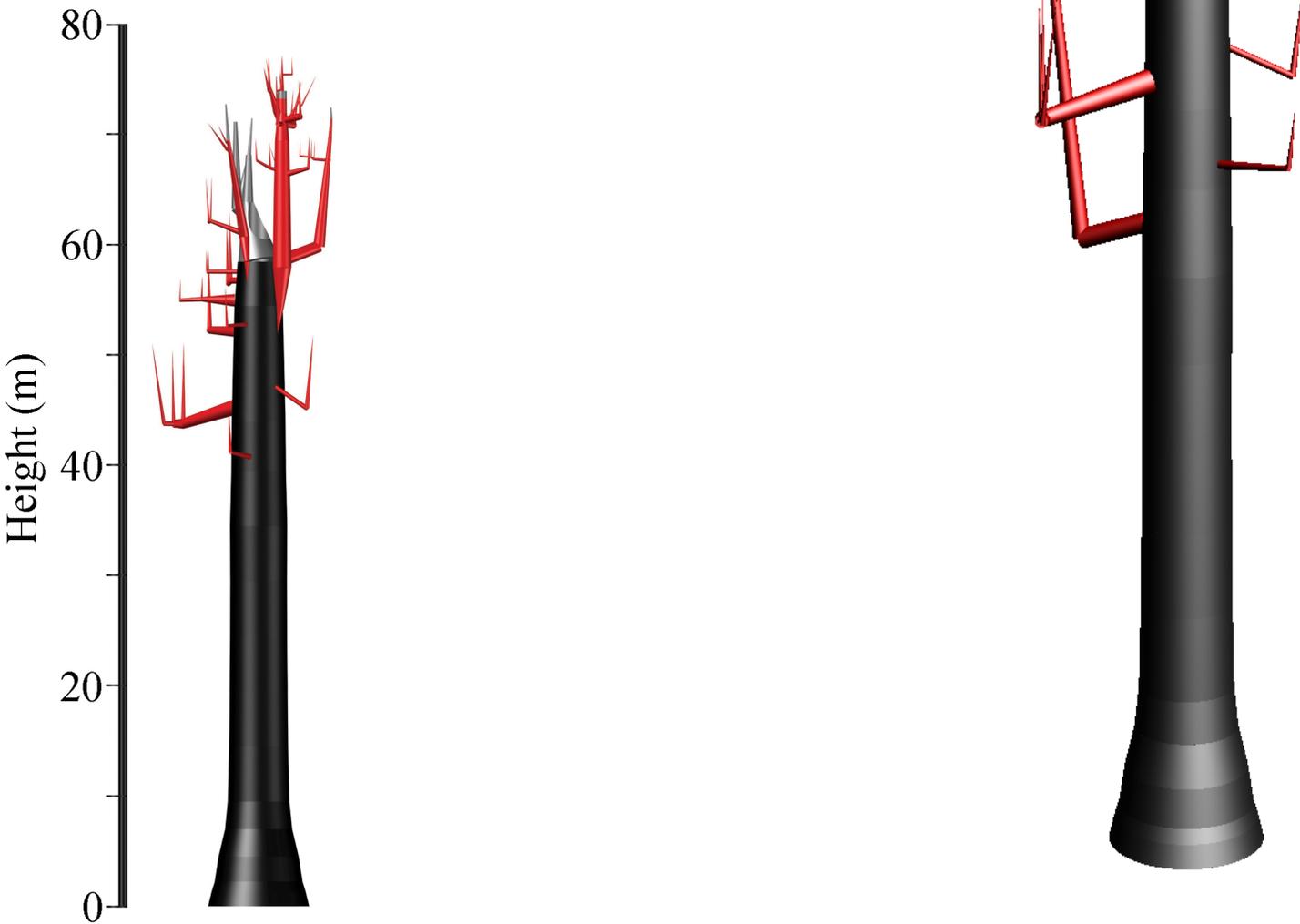
Millions of leaves: 1467.2

■ Trunk ■ Segments
■ Branches ■ Dead



SEGI 42
Minimum age (years): 2900
Total dry mass (Mg): 550
Cambium (m²): 4470
Leaf mass (kg): 1546
Leaf area (m²): 5705
Millions of leaves: 1493.2

■ Trunk ■ Segments
■ Branches ■ Dead



SEGI 43
Minimum age (years): 3200
Total dry mass (Mg): 582
Cambium (m²): 5546
Leaf mass (kg): 1677
Leaf area (m²): 6155
Millions of leaves: 1731.2

Trunk Segments
Branches Dead

