Annex 1

Species- and diameter-specific allometric models used to predict volume using diameter at breast height (DBH) and tree height (H) as predictor variables.

Spruce (Vestjordet, E. 1967)

DBH <= 10 cm

V = 0.52 + (0.02403 * DBH * DBH* H) + (0.01463 × DBH × H × H) - (0.10983 × H × H) + (0.15195 × DBH × H)

10 cm < DBH <= 13 cm

V = −31.57 + (0.0016 × DBH × H × H) + (0.0186 × H × H) + (0.63 × DBH × H) − (2.34 × H) + (3.2 × DBH)

DBH > 13 cm

V = 10.14 + (0.0124 × DBH × DBH × H) + (0.03117 × DBH × H × H) − (0.36381 × H × H) + (0.28578 × DBH × H)

Pine (Brantseg, A. 1967)

DBH <= 12 cm

V = 2.912 + (0.039994 * DBH* DBH* H) - (0.001091 * DBH* H * H)

DBH > 12 cm

V = 8.6524 + (0.076844 × DBH × DBH)+ (0.031573 × DBH × DBH × H)

Deciduous (Braastad, H. 1966)

Bark = (1.046 × DBH)/10

V = −1.25409 + (0.12739 × DBH × DBH) + (0.03166 × DBH × DBH × H) + (0.0009752 × DBH × H × H) − (0.01226 × H × H) − (0.004214 × DBH × DBH × Bark)