

## Forest Parameters + Biomass

### Forest parameters on stand level based on ALS data and field plots:

1. Stock identification	consecutive number
2. Area	[m <sup>2</sup> ]
3. Slope	[°]
4. Sea level	[m]
5. Percentages coniferous	% of total area
6. Percentage deciduous	% of total area
7. Dominant height	[m]
8. Dominant height - deviation	[m]
9. Height of tree trunk	[m]
10. Mean height - deviation	[m]
11. Dominant layer - development stage	[1..8 - CH]
12. Crown closure, dominating layer	[%]
13. Crown closure , dominated layer	[%]
14. ALS (Airborne Laser Scanning) spatial volume with bark (conif.)	[VfmDmR]
15. ALS (Airborne Laser Scanning) spatial volume with bark (dec.)	[VfmDmR]
16. Timber volume (plots-ALS) (conif.)	[VfmDmR/ha]
17. Timber volume (plots-ALS) (dec.)	[VfmDmR/ha]
18. Timber volume (plots-ALS)	[VfmDmR/ha]
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### Extended forest parameter set based on ALS, field plots and yield maps:

19. Factor	oE
20. Number of trunks	[pieces/ha]
21. Mean diameter at breast height	[cm]
22. Growth potential dec./conif.	[good, medium, bad]
23. Relative age	[years]
24. Yield	
25. Basal yield map	[m <sup>2</sup> /ha]
26. Average growth	[VfmDmR/ha]
27. Partial stocking level	[% of area ET]
28. Tree volume (with bark)	[VfmSoR]
29. Timer volume (without bark)	[VfmDmR]
30. Biomass - branches	[t dry weight]
31. Biomass - leafs and needles	[t dry weight]
32. Biomass - bark	[t dry weight]
33. Biomass - Root stock	[t dry weight]
34. Biomass - Root (below ground biomass)	[t dry weight]
35. Carbon-stock	

[VfmDmR] = Reserve solid cubic meters merchantable wood with bark

[VfmSoR] = Reserve solid cubic meters merchantable wood without branches and bark