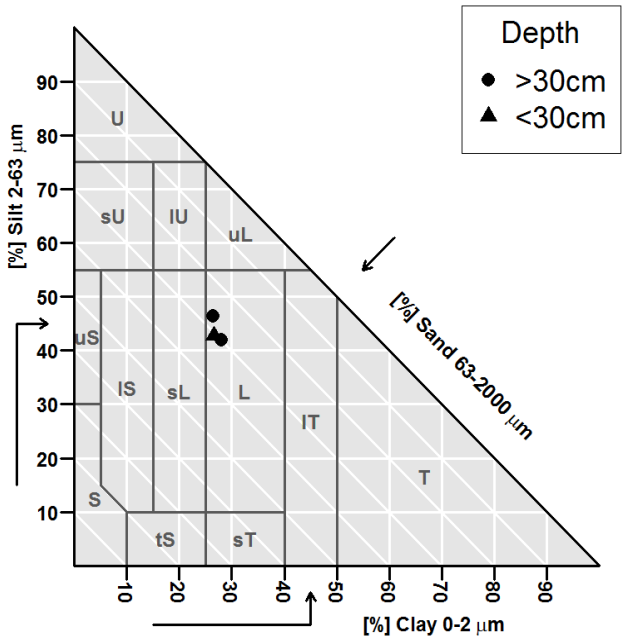
# FeM0

## Solid rock, siliceous carbonate-poor, intermediate




## General parameters

| | |
|---|---|
| Area | 51.13 km2 |
| Percentage on total forest mapped area | 1.05 % |

### Physics - mean values of all considered profiles (49)

| Depth [cm] | Coarse fraction [%] | Field capacity [l/m2] |
|---|---|---|
| 0-15 | 25 ± 25 | 84 ± 54 |
| 15-30 | 40 ± 30 | |
| 30-60 | 50 ± 35 | |
| 60-100 | 45 ± 30 | |

### Chemistry - stock of available profiles (1)

| Ctot | Ntot | Ca | Mg | K | P |
|---|---|---|---|---|---|
| t/ha | kg/ha | kg/ha | kg/ha | kg/ha | kg/ha |
| 181 | 7.93 | 8358.27 | 211.46 | 200.65 | 834.96 |

All stock values, 0-80 cm including humus layers (F,H), are short term available, except for phosphorus, which has long term availability

### Chemistry - mean values of all considered profiles (5)

| Depth [cm] | CEC [mmol/kg] | Base Saturation [%] | Ca/BC | Mg/BC | Ntot [%] | TOC [%] | C/N | pHCaCl2 |
|---|---|---|---|---|---|---|---|---|
| 0-10 | 252.28 | 95.54 | 0.95 | 0.04 | 0.35 | 6.13 | 17.51 | 5.36 |
| 10-20 | 167.92 | 94.37 | 0.95 | 0.04 | 0.2 | 2.61 | 13.05 | 5.7 |
| 20-40 | 140.94 | 87.5 | 0.96 | 0.03 | 0.14 | 2.16 | 15.43 | 6.27 |
| 40-80 | 116.36 | 99.77 | 0.95 | 0.04 | 0.13 | 3.11 | 23.92 | 7.48 |

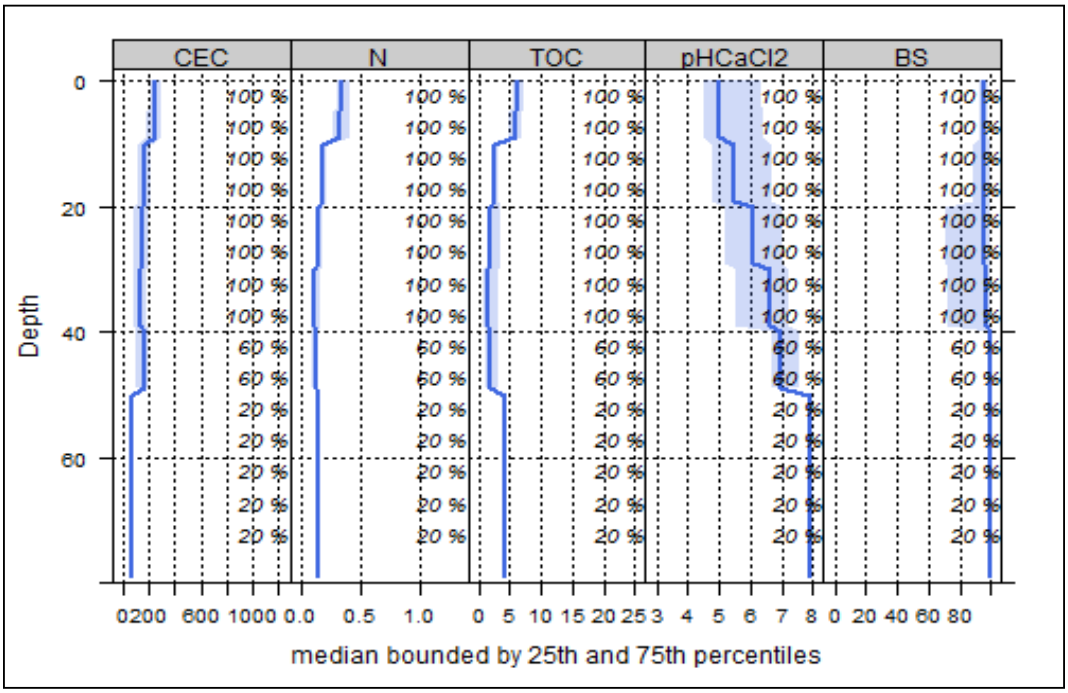
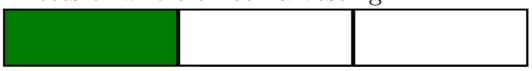



Figure 1: Profile's depth variation of the following median chemical properties, bounded by 25th and 75th percentiles: cation exchange capacity (mmol/kg), nitrogen (%), total organic carbon (%), pH and base saturation (%)

## Biomass use

Effects of whole three harvesting



Minor negative effects

## Compaction risk

Effects of heavy machines transit on the soil

Occasionally critical