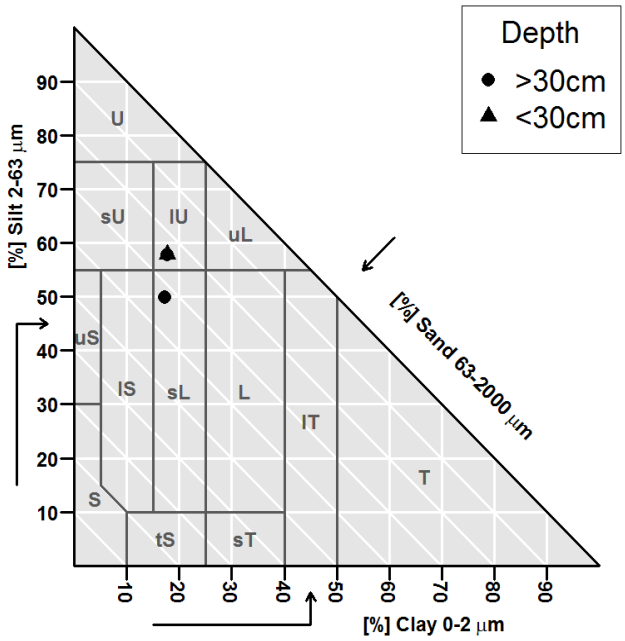
MoM0

Moraine, siliceous carbonate-poor, intermediate



General parameters

Area	77.91 km2
Percentage on total forest mapped area	1.6 %

Physics - mean values of all considered profiles (34)

Depth [cm]	Coarse fraction [%]	Field capacity [l/m2]
0-15	10 ± 10	118 ± 38
15-30	20 ± 15	
30-60	35 ± 30	
60-100	55 ± 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
101.78	8.9	1824.3	430.68	91.25	337.95

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 (3)

Depth [cm]	CEC [mmol/kg]	Base Saturation [%]	Ca/BC	Mg/BC	Ntot [%]	TOC [%]	C/N	pHCaCl2
0-10	130.92	47.67	0.76	0.2	0.26	5.65	21.73	3.88
10-20	80.15	65.28	0.76	0.19	0.13	2.53	19.46	4.43
20-40	82.54	73.63	0.75	0.19	0.1	1.44	14.4	5.18
40-80	54.85	82.77	0.69	0.24	0.09	0.86	9.56	5.1

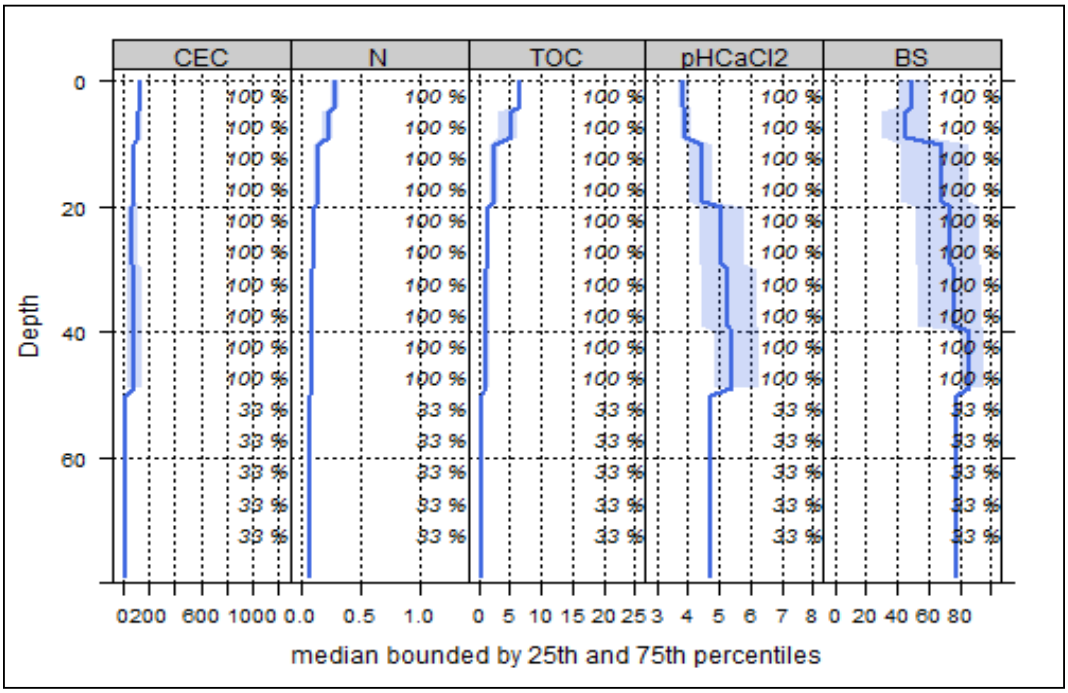


Figure 1: Profile's depth variation of the following median chemical properties, bounded by 25th and 75th percentiles: cation exchange capacity (mmol/kg), nitrogen (%), total organic carbon (%), pH and base saturation (%)

Biomass use

Effects of whole three harvesting

Intermediate negative effects

Compaction risk

Effects of heavy machines transit on the soil

Occasionally critical