Supplementary Material

1   Supplement to Materials and Methods

The KCl used for all soil extractions was EMPROVE® ESSENTIAL pH Eur,BP,E 508 (Merck KGaA, Darmstadt, Germany). The paper filters used to filter the soil extracts were Whatman #1, 150 mm diameter, lot# 16907599 (GE Healthcare UK Limited, Buckinghamshire, UK).

Filtered soil extracts were stored in 100 mL plastic (HDPE) bottles (Oy Plastex Ab, Lohja, Finland) and frozen at -20°C to await analysis. For the analyses the sample extracts were thawed, then pippetted to 96-well microplates with one standard curve at the beginning along with external quality control solutions (VKI Reference Materials RW 1 and RW 2, Eurofins Environment, Galten, DK). The plates were analyzed colormetrically on a Victor microplate reader (PerkinElmer, Mustionkatu 6 PL 10, 20101 Turku, Finland).

For the stable isotope analysis, soil samples were dried overnight in a Heto LyoLab 3000 freeze-dryer, then sealed in 6x4mm tin cups (Elemental Microanalysis, Okehampton, UK, catalogue number D1016, batch #258746) for analysis. The isotopic composition of nitrogen was quantified on a NC2500 elemental analyzer coupled to a Thermo Scientific Delta V Plus isotope ratio mass spectrometer.
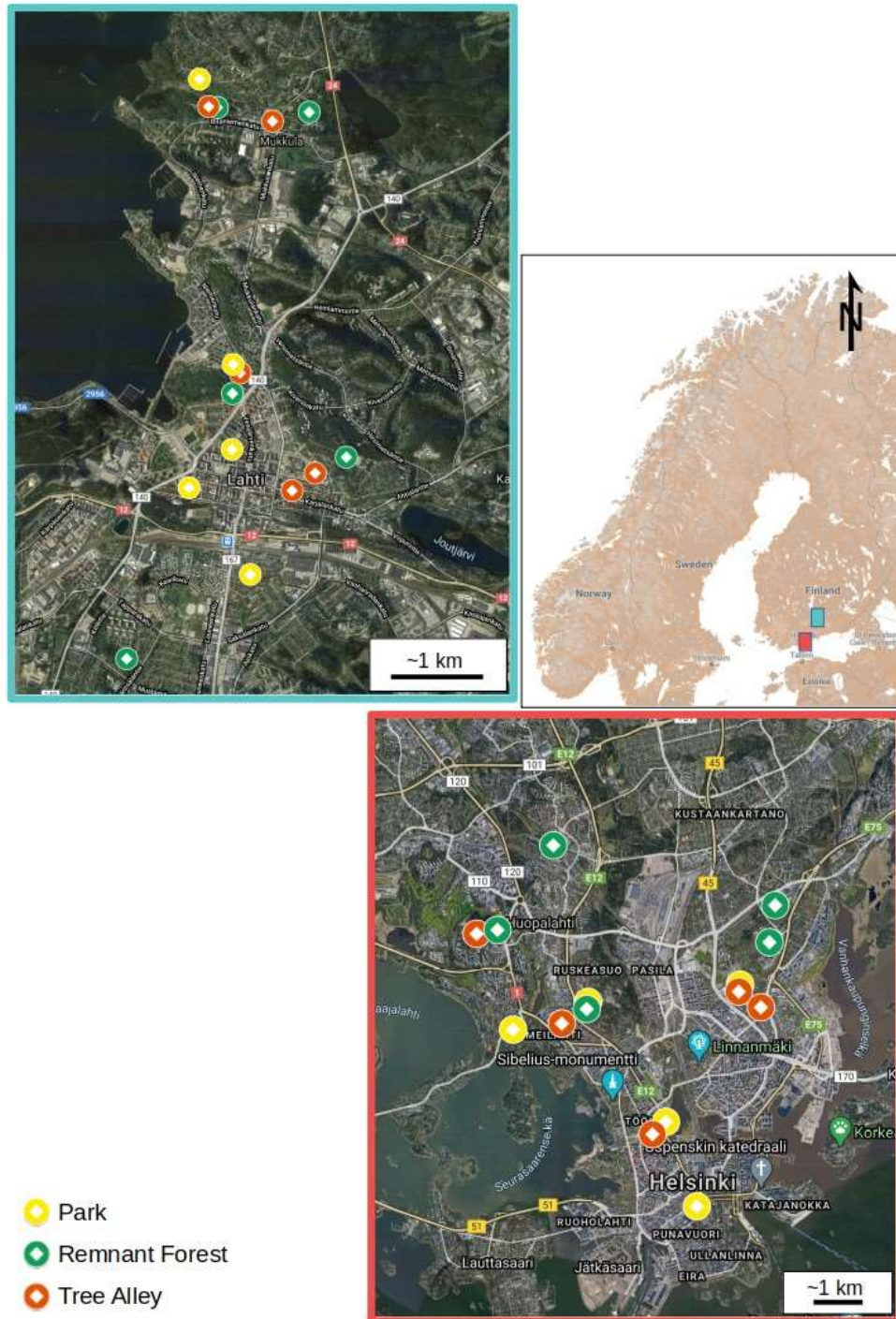
Supplementary Material

2   Supplementary Figures and Tables

Figure S1. Field sites in Lahti and Helsinki, Finland. An interactive version of the site map is available at https://bit.ly/3lQcrNq.
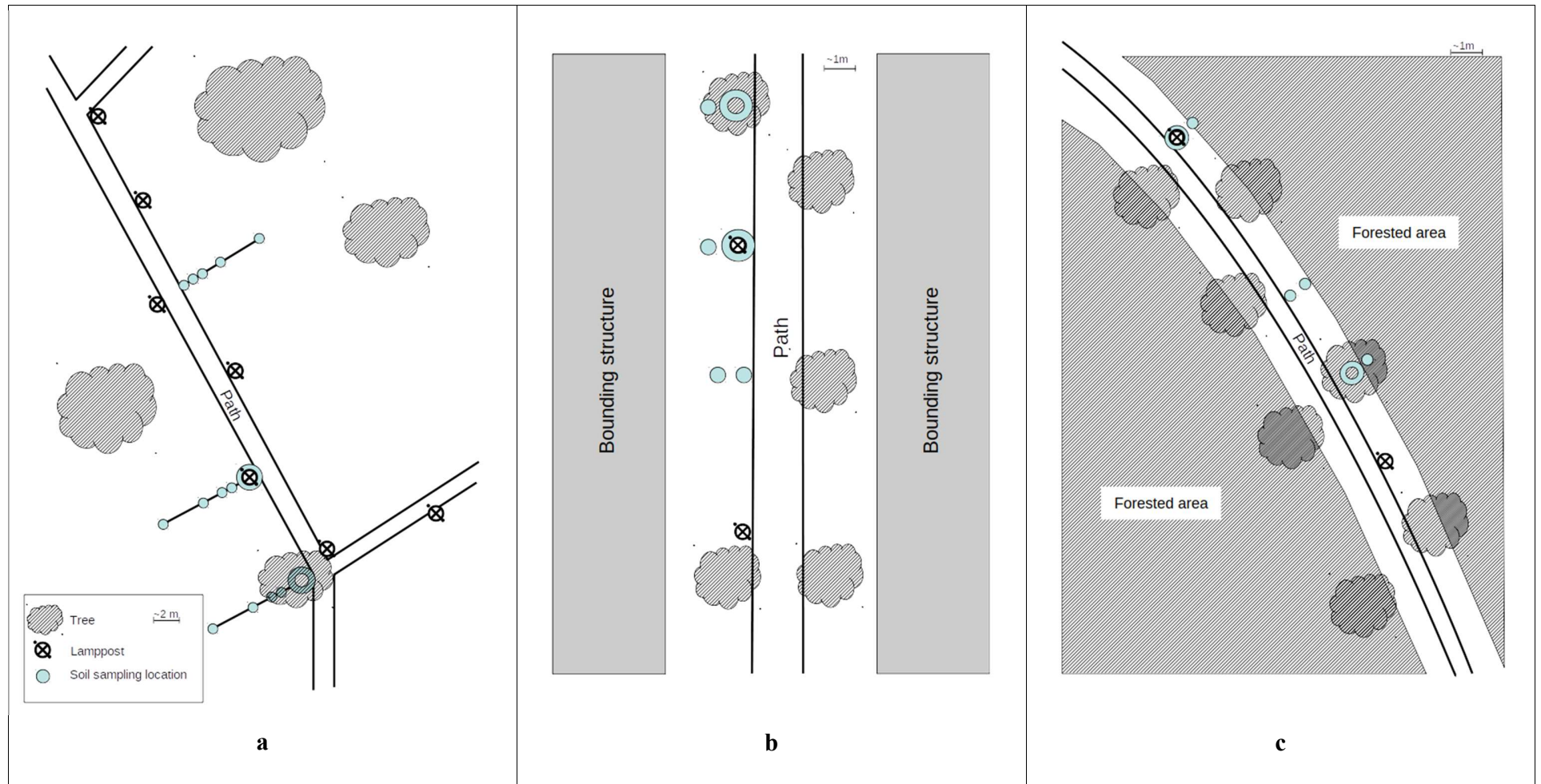
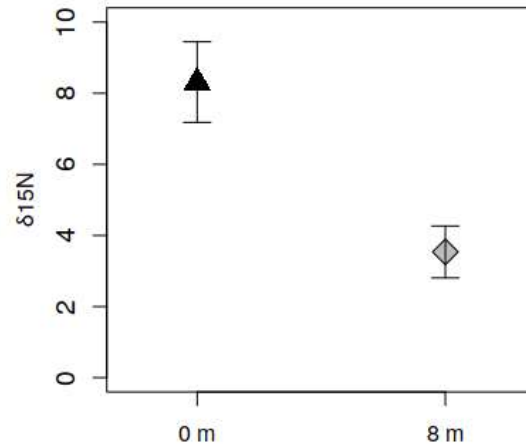**Figure S2.** Typical layouts for the (a) Park, (b) Tree Alley and (c) Remnant Forest typologies

Figure S3. δ15N values for samples from path-side trees and poles (0 m) and from lawn areas (8 m) with standard error bars.

Table S1. δ15N values for soil samples from path-side trees and poles (##P0 and ##T0 designations) and from lawn areas 8 m away from pathways (##T8 and ##P8 designations).

Sample ID	δ^{15}N (AIR)	SD of replicates	N%	n replicates	Replicate sample δ^{15}N values
18T0	6,6	0,03	0,3	2	6.5, 6.6
24T0	10,0	0,32	0,8	2	10.3, 9.7
12P8	2,0	0,06	0,2	2	2.0, 2.1
12T20	11,4	0,66	0,4	2	12.1, 10.8
18T8	3,7	0,05	0,2	2	3.7, 3.8
54P8	5,5		0,4		
63T0	3,7		0,4		
60P0	9,2		0,5		
25P0	9,0		0,3		
24T8	2,9		0,4		