## Appendix

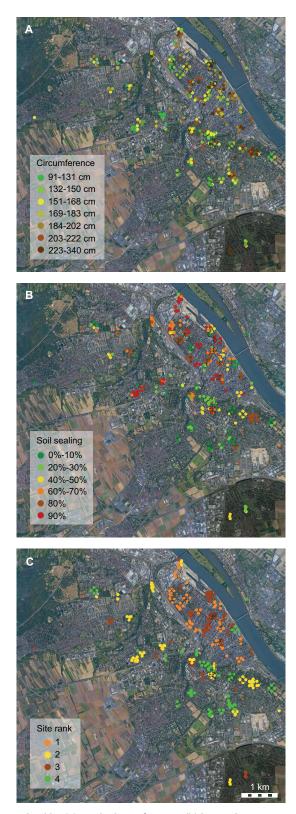


Figure S1. Mainz plane network characterized by (a) trunk circumference, (b) impervious cover, and (c) site rank.



Figure S2. Estimates of impervious cover ranging from 0% to 90%.

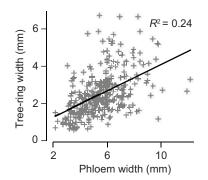


Figure S3. XY-plot and linear regression between mean tree-ring width and phloem width.