Microclimatic Cooling Effects of Different Street Tree Species

Your Name

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Urban trees can help mitigate the urban heat island through evapotranspiration. However, growing conditions in cities are heterogeneous and micrometeorological conditions in street canyons can have a large impact on a tree's transpiration.

Here we investigated a common urban street tree species *Tilia cordata* of different ages and sizes, planted in two contrasting street canyons in a densely built neighbourhood within Munich, Germany: Bordeaux Platz, an open green square (OGS), and Pariser Platz Rahman et al. [2017].

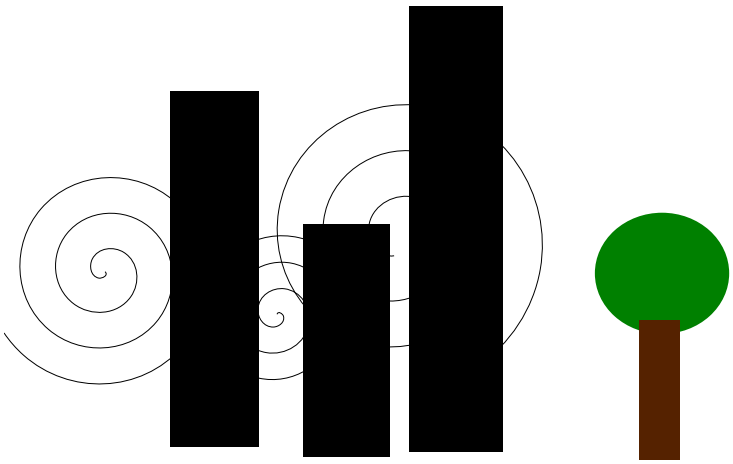

Figure 1: Example of street tree data visualization exported from Inkscape.

References

Mohammad A. Rahman, Astrid Moser, Thomas Roetzer, and Stephan Pauleit. Microclimatic differences and their influence on transpirational cooling of tilia cordata in two contrasting street canyons in munich, germany. *AGRICULTURAL AND FOREST METEOROLOGY*, 232:443–456, JAN 15 2017. ISSN 0168-1923. doi: 10.1016/j.agrformet.2016.10.006.