Geosci. Model Dev. Discuss.,
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Interactive comment on "A spatially-explicit approach to simulate urban heat islands in complex urban landscapes" *by* Martí Bosch et al.

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The work is very interesting, relevant to the broader context of urban planning and ecosystem services, and presents the model and underlying information and references clearly. The manuscript is well-written and I only have very minor suggestions for revision:

I suggest one minor revision: Adding more detail on how the tree shading coefficient (Si) was calculated (page 6, line 116 to 118) by way of an equation. The other components (ETI, CCi) have accompanying equations to make their derivation clear to the reader.

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Discussion paper

I also found a minor technical correction on page 7, line 143: "biophyisical" should be "biophysical".

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Discussion paper