

Accepted Manuscript

Title: Impacts of land use changes from the Hanoi Master Plan 2030 on urban heat islands: Part 1. Cooling effects of proposed green strategies

Authors: Tetsu Kubota, Han Soo Lee, Andhang Rakhmat Trihamdani, Tran Thi Thu Phuong, Takahiro Tanaka, Kaoru Matsuo



PII: S2210-6707(16)30571-6
DOI: <http://dx.doi.org/doi:10.1016/j.scs.2017.04.001>
Reference: SCS 626

To appear in:

Received date: 3-11-2016
Revised date: 11-3-2017
Accepted date: 3-4-2017

Please cite this article as: Kubota, Tetsu., Lee, Han Soo., Trihamdani, Andhang Rakhmat., Phuong, Tran Thi Thu., Tanaka, Takahiro., & Matsuo, Kaoru., Impacts of land use changes from the Hanoi Master Plan 2030 on urban heat islands: Part 1. Cooling effects of proposed green strategies. *Sustainable Cities and Society* <http://dx.doi.org/10.1016/j.scs.2017.04.001>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights

- We assess UHI effects before and after the implementation of the Hanoi Master Plan 2030.
- The UHI effect due to the master plan becomes significant, especially at night.
- The proposed green strategies are not effective at cooling all of built-up areas.
- It is important to cool the hot westerly Foehn wind before entering the city.

Download English Version:

<https://daneshyari.com/en/article/4928013>

Download Persian Version:

<https://daneshyari.com/article/4928013>

[Daneshyari.com](https://daneshyari.com)