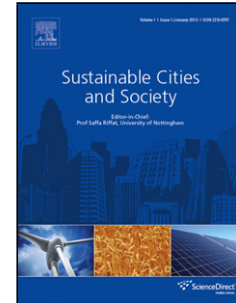


Accepted Manuscript

Title: Confronting potential future augmentations of the physiologically equivalent temperature through public space design: The case of Rossio, Lisbon

Authors: A. Santos Nouri, A. Lopes, J. Pedro Costa, A. Matzarakis



PII: S2210-6707(17)30211-1
DOI: <https://doi.org/10.1016/j.scs.2017.10.031>
Reference: SCS 823

To appear in:

Received date: 1-3-2017
Revised date: 3-8-2017
Accepted date: 26-10-2017

Please cite this article as: Nouri, A Santos., Lopes, A., Costa, J Pedro., & Matzarakis, A., Confronting potential future augmentations of the physiologically equivalent temperature through public space design: The case of Rossio, Lisbon. *Sustainable Cities and Society* <https://doi.org/10.1016/j.scs.2017.10.031>

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.

Confronting potential future augmentations of the physiologically equivalent temperature through public space design: The case of Rossio, Lisbon

A. Santos Nouri¹, A. Lopes², J. Pedro Costa¹, A. Matzarakis³

¹ Faculdade de Arquitetura, Universidade de Lisboa,
CIAUD – Centro de Investigação em Arquitetura, Urbanismo e Design,
Rua Sá Nogueira, Pólo Universitário, Alto da Ajuda
1349-055 Lisbon, Portugal

(Corresponding Author)

Telephone: +351 213 615 884
Fax: +351 213 625 138
Email: andrenouri@fa.ulisboa.pt

² IGOT - Instituto de Geografia e Ordenamento do Território, Universidade de Lisboa,
Rua Branca Edmée Marques
1600-276 Lisbon, Portugal

Telephone: +351 210 443 000
Fax: +351 217 938 690
Email: antonio.lopes@campus.ul.pt

¹ Faculdade de Arquitetura, Universidade de Lisboa,
CIAUD – Centro de Investigação em Arquitetura, Urbanismo e Design,
Rua Sá Nogueira, Pólo Universitário, Alto da Ajuda
1349-055 Lisbon, Portugal

Telephone: +351 213 615 884
Fax: +351 213 625 138
Email: jpc@fa.ulisboa.pt

³ Research Centre Human Biometeorology, Deutscher Wetterdienst
Stefan-Meier-Str. 4
79104 Freiburg, Germany

Telephone: +46 (0) 69 8062 9610
Fax: +49 (0) 69 8062 9622
Email: andreas.matzarakis@dwd.de

Highlights

- ❖ Physiologically equivalent temperature is applied to examine outdoor comfort levels
- ❖ ‘What if?’ agenda used to consider aggravations of current bioclimatic conditions
- ❖ Thermophysiological stress grades adapted to consider various bioclimatic scenarios
- ❖ Study results enable public space design options to be physiologically assessed

Download English Version:

<https://daneshyari.com/en/article/6775435>

Download Persian Version:

<https://daneshyari.com/article/6775435>

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