

Accepted Manuscript

Climate change and health: An analysis of causal relations on the spread of vector-borne diseases in Brazil

Walter Leal Filho, Juliane Bönecke, Hannah Spielmann, Ulisses M. Azeiteiro, Fatima Alves, Mauren Lopes de Carvalho, Gustavo J. Nagy



PII: S0959-6526(17)33103-7

DOI: [10.1016/j.jclepro.2017.12.144](https://doi.org/10.1016/j.jclepro.2017.12.144)

Reference: JCLP 11539

To appear in: *Journal of Cleaner Production*

Received Date: 14 August 2017

Revised Date: 27 November 2017

Accepted Date: 16 December 2017

Please cite this article as: Leal Filho W, Bönecke J, Spielmann H, Azeiteiro UM, Alves F, Lopes de Carvalho M, Nagy GJ, Climate change and health: An analysis of causal relations on the spread of vector-borne diseases in Brazil, *Journal of Cleaner Production* (2018), doi: 10.1016/j.jclepro.2017.12.144.

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.

Climate Change and Health: an analysis of causal relations on the spread of vector-borne diseases in Brazil

Authors:

Walter Leal Filho, HAW Hamburg and Manchester Metropolitan University*

Juliane Bönecke, HAW Hamburg

Hannah Spielmann, HAW Hamburg

Ulisses M Azeiteiro, Department of Biology & CESAM Centre for Environmental and Marine Studies, University of Aveiro, 3810-193, Aveiro, Portugal

Fatima Alves, UnversidadeAberta, Portugal & Centre for Functional Ecology, University of Coimbra, Portugal

Mauren Lopes de Carvalho, Instituto Federal de Educação

Gustavo J. Nagy, Facultad de Ciencias, UdelaR, Uruguay

Abstract

The increases in greenhouse gas concentrations caused by anthropogenic activities such as industrial emissions, transport and burning of forests and other resources, recorded over the past decades, are known to have an impact on the global environment. In particular, this paper reviews the evidence that climate change has an impact on human health as a whole and on the spread of vector-borne diseases in particular. It offers an analysis of previous research on the connections between climate change and health, with a case study from Brazil, and lists some areas which may guide future policy-making.

Keywords Health. Extreme events. Arbovirus infections. Brazil. Zika. Policy-making.

Download English Version:

<https://daneshyari.com/en/article/8098758>

Download Persian Version:

<https://daneshyari.com/article/8098758>

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