

# Gender, Climate Change and Health



World Health  
Organization

WHO Library Cataloguing-in-Publication Data:

Gender, climate change and health.

1.Climate Change. 2.Environmental Health. 3.Sex Factors. 4.Gender Identity. I.World Health Organization.

ISBN 978 92 4 150818 6

(NLM classification: WA 30.5)

© **World Health Organization 2014**

All rights reserved. Publications of the World Health Organization are available on the WHO website ([www.who.int](http://www.who.int)) or can be purchased from WHO Press, World Health Organization, 20 Avenue Appia, 1211 Geneva 27, Switzerland (tel.: +41 22 791 3264; fax: +41 22 791 4857; e-mail: [bookorders@who.int](mailto:bookorders@who.int)).

Requests for permission to reproduce or translate WHO publications –whether for sale or for non-commercial distribution– should be addressed to WHO Press through the WHO website ([www.who.int/about/licensing/copyright\\_form/en/index.html](http://www.who.int/about/licensing/copyright_form/en/index.html)).

The designations employed and the presentation of the material in this publication do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate border lines for which there may not yet be full agreement.

The mention of specific companies or of certain manufacturers' products does not imply that they are endorsed or recommended by the World Health Organization in preference to others of a similar nature that are not mentioned. Errors and omissions excepted, the names of proprietary products are distinguished by initial capital letters.

All reasonable precautions have been taken by the World Health Organization to verify the information contained in this publication. However, the published material is being distributed without warranty of any kind, either expressed or implied. The responsibility for the interpretation and use of the material lies with the reader. In no event shall the World Health Organization be liable for damages arising from its use.

Edited and design by Inis Communication

# Gender, Climate Change and Health



World Health  
Organization



# Contents

|   |           |
|---|-----------|
| <b>Acknowledgements</b> . . . . .   | <b>1</b>  |
| <b>Abbreviations</b> . . . . .  | <b>2</b>  |
| <b>Executive summary</b> . . . . .  | <b>3</b>  |
| <b>1. Background</b> . . . . .  | <b>5</b>  |
| 1.1 Health and climate change . . . . .   | 6         |
| 1.2 Health, gender and climate change . . . . .                                     | 6         |
| <b>2. Impacts: health</b> . . . . .   | <b>9</b>  |
| 2.1 Meteorological conditions and human exposure . . . . .                          | 9         |
| <b>3. Impacts: social and human consequences of climate change</b> . . . . .        | <b>16</b> |
| 3.1 Migration and displacement . . . . .  | 16        |
| 3.2 Shifts in farming and land use . . . . .  | 17        |
| 3.3 Increased livelihood, household and caring burdens . . . . .                    | 17        |
| 3.4 Urban health . . . . .  | 18        |
| <b>4. Responses to climate change</b> . . . . .                                     | <b>19</b> |
| 4.1 Mitigation actions and health co-benefits . . . . .                             | 19        |
| 4.2 Adaptation actions . . . . .  | 25        |
| <b>5. Conclusions, gaps in understanding and issues for urgent action</b> . . . . . | <b>31</b> |
| <b>References</b> . . . . .   | <b>32</b> |



# Acknowledgements

This discussion paper is the result of collaboration between the Department of Gender, Women and Health (GWH) and the Department of Public Health and Environment (PHE) of the World Health Organization (WHO) to systematically address gender equality in work relating to climate change and health. WHO acknowledges the insight and valuable contribution to this paper provided by Surekha Garimella who prepared the initial draft, working under the guidance of Peju Olukoya from GWH and Elena Villalobos Prats and Diarmid Campbell-Lendrum from PHE. Tia Cole contributed to the conceptualization of the paper, and Lena Obermayer and Erika Guadarrama provided additional inputs to strengthen specific aspects of the paper.

Helpful comments were contributed by the following colleagues in WHO: Shelly Abdool, Jonathan Abrahams, Avni Amin, Roberto Bertollini, Sophie Bonjour, Nigel Bruce, Carlos Dora, Marina Maiero, Eva Franziska Matthies, Maria Neira, Tonya Nyagiro, Chen Reis and Marijke Velzeboer Salcedo.

We also thank the following for expert reviews and feedback: Sylvia Chant, Professor of Development Geography, London School of Economics; Sari Kovats, Senior Lecturer in Environmental Epidemiology, Department of Social and Environmental Health Research, Faculty of Public Health and Policy, London School of Hygiene & Tropical Medicine; Carlos Felipe Pardo, Colombia Country Director, Institute for Transportation and Development; Deysi Rodriguez Aponte, Environmental Management, TRANSMILENIO S.A.; and Lucy Wanjiru Njagi, Programme Specialist, Gender, Environment and Climate Change, United Nations Development Programme.

We gratefully acknowledge the input of the students of the Master Study Programme on Health & Society, International Gender Studies, Berlin School of Public Health and der Charité, during the seminar on Gender, Climate Change and Health, facilitated by WHO in January 2010.

# Abbreviations

|               |  |
|---------------|--|
| <b>CSW</b>    | Commission on the Status of Women                                  |
| <b>DSM-IV</b> | Diagnostic and Statistical Manual of Mental Disorders, 4th edition |
| <b>FAO</b>    | Food and Agriculture Organization                                  |
| <b>IPCC</b>   | Intergovernmental Panel on Climate Change                          |
| <b>OECD</b>   | Organisation for Economic Co-operation and Development             |
| <b>PTSD</b>   | post-traumatic stress disorder                                     |
| <b>UNFCCC</b> | United Nations Framework Convention on Climate Change              |
| <b>WHA</b>    | World Health Assembly  |
| <b>WHO</b>    | World Health Organization  |

预览已结束，完整报告链接和二维码如下：

[https://www.yunbaogao.cn/report/index/report?reportId=5\\_27662](https://www.yunbaogao.cn/report/index/report?reportId=5_27662)

