

# URBANIZATION AND CLIMATE CHANGE IN SMALL ISLAND DEVELOPING STATES





# URBANIZATION AND CLIMATE CHANGE IN SMALL ISLAND DEVELOPING STATES

## **Urbanization and Climate Change in Small Island Developing States**

Nairobi, May 2015

All rights reserved ©2015

United Nations Human Settlements Programme (UN-Habitat)

Urban Planning & Design Branch, Climate Change Planning Unit

P.O. Box 30030, 00100 Nairobi, Kenya

<http://unhabitat.org/cities-and-climate-change-initiative/>

HS Number: HS/004/15E

### **Disclaimer**

The designations employed and the presentation of material in this report do not imply the expression of any opinion whatsoever on the part of the Secretariat of the United Nations concerning the delimitation of its frontiers or boundaries, or regarding its economic system or degree of development.

The views expressed in this publication do not necessarily reflect the views of the United Nations Human Settlements Programme or its Governing Council.

### **Acknowledgements:**

Supervisor:	Robert Kehew, Marcus Mayr
Reviewers:	Bernhard Barth, Faderr Johm
Publication Coordinator:	Faderr Johm
Contributors:	Jo Berg, John-Alexander Maxwell, Katja Dietrich, Liam Fee, Oana Baloi, Sarah Mecartney, Tomas Ruseckas, Cyprian Selebalo, Rocio Tiseyra
Editor:	Dominic O'Reilly
Design and Layout:	Peter Cheseret
Cover Photo:	Tip of Paradise Island, with Lighthouse, in Nassau, Bahamas © Shutterstock

# CONTENTS

Abbreviations and Acronyms .....Viii

01 Rationale ..... 1

02 Introduction: Small Island Developing States ..... 3

03 Climate Change and Small Island Developing States ..... 7

04 Urbanization in Small Island Developing States..... 13

05 Climate Change Impacts on Towns and Cities in SIDS..... 17

06 Conclusion..... 25

07 Recommendations..... 27

References ..... 34

Annex A: Global Network of Sids..... 39

Annex B: SIDS Urban Statistics ..... 41

## **LIST OF FIGURES**

Figure 01: Percentage of land area below 5 metres, and percentage of population inhabiting areas below 5 metres .....	19
---	----

## **LIST OF ILLUSTRATIONS**

Illustration 01: Global average surface temperature change (degrees Celcius) 1950 – 2100 .....	9
Illustration 02: Global average sea level change (m) 2000 – 2100 .....	10
Illustration 03: Global urbanization trend from 1970 to 2030 .....	13

## **LIST OF TABLES**

Table 01: Common Challenges and Opportunities facing SIDS.....	4
Table B-1: SIDS Urban Statistics.....	41

## LIST OF IMAGES

Image 1: Haiti northern city of Cap-Haïtien after heavy rains flooded streets, homes and fields overnight on 9 November, 2014. ....	2
Image 02: Secretary-General Ban Ki-moon plants mangrove shoots on Tarawa, the main atoll in the Pacific island nation of Kiribati. Mangroves help to protect against rising sea levels caused by climate change.....	5
Image 03: 3rd International conference of Small Island Developing States meeting in Samoa, September 2014.....	6
Image 04: Big waves crushing on the shore of Praia Piscina, in the Republic of São Tomé and Príncipe, during a severe storm .....	8
Image 05: The Maldives underwater Cabinet Meeting.....	11
Image 06: Aerial view of Male Island, the Maldives .....	15
Image 07: Skyline of Havana, Cuba during a hurricane as waves crash against the protective seaside wall .....	20
Image 08: A woman carries supplies through a flooded street in Cap Haïtien. After days of continuous rains in November 2014, parts of Haiti's north, including Cap Haïtien, suffered serious flooding, leaving more than a dozen dead and thousands homeless .....	22
Image 09: Renewable energy: Wind turbines in Bonaire, the Caribbean.....	24
Image 10: Boys catching fish of Atauro Island, Timor-Leste. Fishing is a cornerstone of SIDS economic activity that can be a driver for the blue economy in SIDS.....	26
Image 11: UN-Habitat through its Cities and Climate Change Initiative facilitated local government engagement in Lami Town, Fiji. This led to community action, for example, efforts to re-plant mangroves as an ecosystems-based adaptation option.....	33

# ABBREVIATIONS AND ACRONYMS

ADB	Asian Development Bank
ADP	Ad Hoc Working Group on the Durban Platform for Enhanced Action
AIMS	Atlantic, Indian Ocean, Mediterranean and South China Sea
AOSIS	Alliance of Small Island States
BPOA	Barbados Programme of Action
CCCCI	Cities and Climate Change Initiative (of UN-Habitat)
CO <sub>2</sub>	Carbon-Dioxide
COP(18)	Conference of Parties (Number 18)
DS	Displacement Solutions
ESCOAP	Economic and Social Commission for Asia and the Pacific
GDP	Gross Domestic Product
GHG	Greenhouse Gas
Habitat III	United Nations Conference on Housing and Sustainable Urban Development (2016)
HRBA	Human Rights Based Approach
IPCC	Intergovernmental Panel on Climate Change
LDCs	Least Developed Countries
MDGs	Millennium Development Goals
MGI	McKinsey Global Institute
MSI	Mauritius Strategy for Implementation
NAP	National Adaptation Plan
NDS	National Development Strategy

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\\_18593](https://www.yunbaogao.cn/report/index/report?reportId=5_18593)

