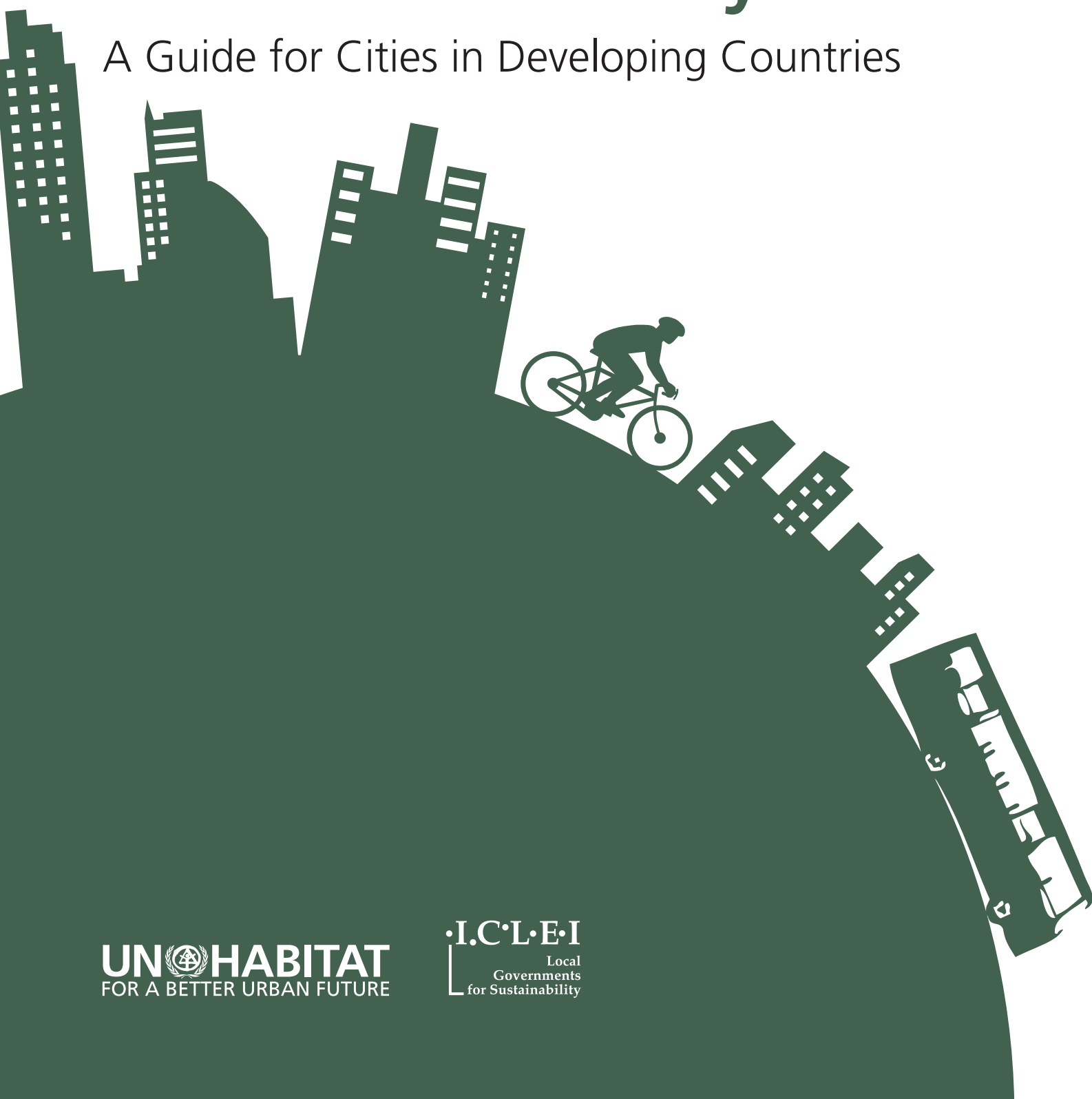


CITIES AND CLIMATE CHANGE INITIATIVE
TOOL SERIES

Making Carbon Markets Work for Your City:

A Guide for Cities in Developing Countries



UN HABITAT
FOR A BETTER URBAN FUTURE

·I.C·L·E·I
Local
Governments
for Sustainability

Making Carbon Markets Work for Your City:
A Guide for Cities in Developing Countries

Copyright © United Nations Human Settlements Programme
(UN-HABITAT), 2012

HS Number: HS/013/12E

ISBN Number (Series): 978-92-1-132400-6

ISBN Number (Volume): 978-92-1-132427-3

DISCLAIMER

The designations employed and the presentation of material in this document do not imply the expression of any opinion whatsoever on the part of the Secretariat of the United Nations concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries, or regarding its economic system or degree of development. The analysis conclusions and recommendations of this publication do not necessarily reflect the views of the United Nations Human Settlements Programme or its Governing Council.

United Nations Human Settlements Programme (UN-HABITAT)
P.O. Box 30030, GPO Nairobi 00100, Kenya
Tel: + 254 20 762 1234
Fax: + 254 20 762 3092
Website: www.unhabitat.org

ACKNOWLEDGEMENTS

Principal coordinating author: Lucinda Fairhurst

Contributors: Bernhard Barth, Anton Cartwright, Iole Isiassaia, David Githaiga,
Robert Kehew, Vincent Kitio, Derek Morgan, Debapriya Roy,
Andrew Rudd, Raf Tuts

Coordinator: Bernhard Barth

Design and layout: Gideon Mureithi/UNON

Editors: Tom Osanjo and Fernando Cabrera Diaz

Printing: UNON, Publishing Services Section, Nairobi, ISO 14001:2004-certified

Making Carbon Markets Work for Your City:

A Guide for Cities in Developing Countries



UN  HABITAT

•I.C•L•E•I
Local
Governments
for Sustainability

About UN-HABITAT's Cities and Climate Change Initiative:

Headquartered at UN-Habitat in Nairobi, the Cities and Climate Change Initiative (CCCI) involves the participation of more than 20 cities worldwide. It targets medium-sized cities in developing and least-developed countries and emphasizes good governance and practical initiatives for the municipalities and their citizens. The CCCI team has adapted participatory processes developed previously by UN-Habitat so as to specifically address climate change issues within the city. A complementary set of tools is being developed to support cities in raising awareness on the impact of climate change and undertaking mitigation and adaptation activities.

Since 2008, CCCI has been generously supported by the Government of Norway, the United Nations Development Account, the Cities Alliance, the Government of Sweden and other sources of global, regional, national and local funding. Newsletters of the Cities and Climate Change Initiative are periodically published electronically.

For more information, or to be added to our mailing list, contact upbd@unhabitat.org or visit www.unhabitat.org/ccci

About ICLEI – Local Governments for sustainability:

ICLEI Local Governments for Sustainability is an international association of local governments and local government organisation that have made a commitment to sustainable development. Over 1300 cities, towns, counties and their associations worldwide comprise ICLEI's growing membership. ICLEI works with these and hundreds of other local governments through international performance based, results oriented campaigns and programmes to support local government in the implementation of sustainable development at the local level. In the climate and sustainable energy field.

The ICLEI Africa Secretariat was the lead ICLEI partner in the development of this tool and is one of many ICLEI regional offices. The ICLEI African Secretariat works across the African continent and collaborates closely with the global ICLEI network and other regional offices around the world, in sharing tools, materials, strategies and good practices specifically designed and implemented at the local level.

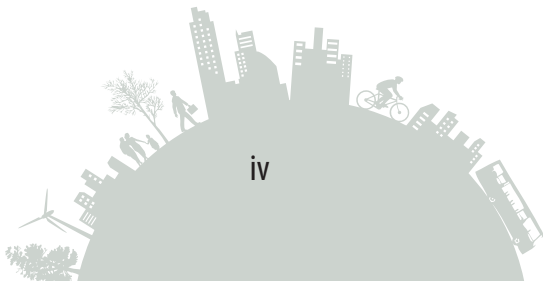
For more information, see: www.iclei.org

TABLE OF CONTENTS

Acronyms	ix
1. INTRODUCTION	1
1.1 Cities and Climate Change	1
1.2 Climate Change Mitigation: an Opportunity for Sustainable Development	1
1.3 The Objectives of this Handbook	2
2 PART A: OVERVIEW OF THE CLEAN DEVELOPMENT MECHANISM AND VERIFIED EMISSION REDUCTION MARKETS	4
2.1 Overview of the Carbon Market	4
2.2 Overview of the Clean Development Mechanism process	8
2.3 An Overview of the Verified Emission Reduction process	8
2.4 Current thinking regarding the Carbon Market	8
2.5 Why Local Governments might participate in the Carbon Market	10
2.6 How Clean Development Mechanism can contribute towards Sustainable Development	10
2.7 Clean Development Mechanism and Poverty Reduction Opportunities	11
2.8 Carbon Project Participants and Stakeholders	12
3 PART B: STRATEGIC DECISIONS IN THE CONCEPTUALIZATION OF A LOCAL GOVERNMENT CARBON TRADING PROJECT	14
3.1 Decision 1: Is there a project here?	15
3.2 Decision 2: Is the project “additional”	15
3.3 Decision 3: Which methodology will be used?	16
3.4 Decision 4: What scale will the project be?	20
3.5 Decision 5: Will this be a Clean Development Mechanism or a voluntary market project?	20
3.6 Decision 6: How will the project be financed?	21
4 PART C: CRITICAL STEPS FOR SUCCESSFUL PROJECT DEVELOPMENT AND TRADING	28
4.1 Identify Project Champions and Institutional Arrangements	28
4.1.1 Overcoming financial barriers	31

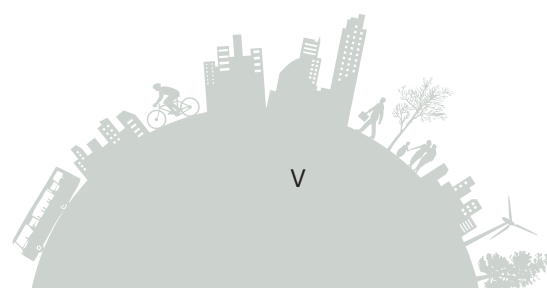


4.1.2	Additional Certification: Environmental and Social Sustainability	35
4.2	The need for project documentation	35
4.3	Securing Designated National Authority approval	37
4.4	Project validation	38
4.5	Registration and Approval from the Executive Board	39
4.6	Credible monitoring	39
4.7	Verification	40
4.7.1	Securing reasonable terms and prices	40
4.8	Issuance	41
5	LOCAL GOVERNMENT PROJECTS AS A SOLUTION TO CLEAN DEVELOPMENT MECHANISM BARRIERS	42
6	FURTHER READING AND RESOURCES	45
7	ANNEXES	47
7.1	Best Practice Standards	47
7.1.1	The Gold Standard	47
7.1.2	The Voluntary Carbon Standard	47
7.1.3	The Chicago Carbon Exchange	48
7.1.4	The Climate, Community and Biodiversity Standard	48
7.1.5	The Validation and Verification Manual Standard	49
7.2	Roles and Responsibilities of the Designated National Authority	49
7.3	Low Hanging Fruit	51
7.4	Sample Project Idea Note	52



FIGURES

Figure 1: Cumulative emissions of CO ₂ by Country 1900-2002	2
Figure 2: Annual Volumes (MtCO ₂ e) of Project-Based Emission Reductions Transactions	4
Figure 3: Volumes (MtCO ₂ e) and Prices for Kyoto offset Transactions (CDM and ERU since 2002)	5
Figure 4: Growth of the Clean Development Mechanism market 2005-2008	5
Figure 5: Location of Clean Development Mechanism Projects	6
Figure 6: A representation of an emissions reduction project	7
Figure 7: Carbon Project Participants and Stakeholders	12
Figure 8: An overview of Project Conceptualisation	14
Figure 9: An overview of financial viability	22
Figure 10: Outline of steps in carbon market development	28
Figure 11: What is the price of a Certified Emission Reduction or Verified Emission Reduction?	40



CASE STUDIES

Case Study 1: Energy Efficient Street Lights, Madhya Pradesh (India)	25
Case Study 2: Kuyasa Low-Cost Housing Energy Upgrade Project, Cape Town (South Africa)	26
Case Study 3: Landfill Gas and Electricity Generation at Mtoni Dumpsite, Dar es Salaam (Tanzania)	27
Case Study 4: Quezon City Controlled Disposal Facility Biogas Emission Reduction Project, Quezon City (Philippines)	27
Case Study 5: Durban Landfill Gas-to-Electricity, eThekweni (South Africa)	29
Case Study 6: Mwanza City Council Landfill Clean Development Mechanism Project, Nyamagana District (Tanzania)	30
Case Study 7: Bus Rapid Transit in Bangkok, Bangkok (Thailand)	31
Case Study 8: Nelson Mandela Bay: Understanding the Costs of Clean Development Mechanism, Port Elizabeth (South Africa)	32
Case Study 9: Abidjan Municipal Solid Waste-To-Energy Project, Abidjan (Cote d'Ivoire)	33
Case Study 10: Lake Basin Management, Laguna de Bay (Philippines)	34

预览已结束，完整报告链接和二维码

<https://www.yunbaogao.cn/report/index/report?rep>