

\*\*\*\*\*



The United Nations World Water Development Report 2019

# LEAVING NO ONE BEHIND



The United Nations World Water Development Report 2019

# LEAVING NO ONE BEHIND

Published in 2019 by the United Nations Educational, Scientific and Cultural Organization, 7, Place de Fontenoy, 75352 Paris 07 SP, France

© UNESCO 2019

This report is published by UNESCO on behalf of UN-Water. The list of UN-Water Members and Partners can be found on the following website: www.unwater.org.

ISBN 978-92-3-100309-7



This publication is available in Open Access under the Attribution-ShareAlike 3.0 IGO (CC-BY-SA 3.0 IGO) license (creativecommons.org/licenses/by-sa/3.0/igo/). By using the content of this publication, the users accept to be bound by the terms of use of the UNESCO Open Access Repository (www.unesco.org/open-access/termsuse-ccbysa-en).

The present licence applies exclusively to the text content of the publication. For the use of any material not clearly identified as belonging to UNESCO, prior permission shall be requested from the copyright owner.

The designations employed and the presentation of material throughout this publication do not imply the expression of any opinion whatsoever on the part of UNESCO concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries.

The ideas and opinions expressed in this publication are those of the authors; they are not necessarily those of UNESCO and do not commit the Organization. The contents were contributed by the UN-Water Members and Partners listed on the title pages of the chapters therein. UNESCO and the UNESCO World Water Assessment Programme (WWAP) are not responsible for errors in the content provided or for discrepancies in data and content between contributed chapters. WWAP provided the opportunity for individuals to be listed as authors and contributors or to be acknowledged in this publication. WWAP is not responsible for any omissions in this regard.

Chapters 2 and 10: The views expressed in these chapters are those of the author(s). Their inclusion does not imply endorsement by the United Nations University.

Chapter 9: by Chantal Demilecamps (as co-author); contributors of Chapter 4: Alistair Rieu-Clarke, Sonja Koeppel and Nataliya Nikiforova © United Nations 2019

Suggested citation:

WWAP (UNESCO World Water Assessment Programme). 2019. The United Nations World Water Development Report 2019: Leaving No One Behind. Paris, UNESCO.

Original cover design by Phoenix Design Aid

Printed by UNESCO, Paris.

This publication is printed in vegetable inks on FSC Mixed Sources paper, supporting responsible use of forest reserves, 100% recycled, acid-free and chlorine-free.

# Contents

For	Foreword by Audrey Azoulay, Director-General of UNESCO	
For	reword by Gilbert F. Houngbo, Chair of UN-Water and President of IFAD	ix
Pre	eface	X
WV	WWDR 2019 Team	
Acl	Acknowledgements	
Exe	Executive summary	
Prologue		10
	Introduction	11
	Section 1 – The state of the world's water resources	13
	Section 2 – Water supply, sanitation and hygiene	18
	Section 3 – Socio-economic development indicators	21

# Chapter 1

Tl	The human rights to water and sanitation and the 2030 Agenda for Sustainable Development		34
	1.1	Introduction	35
	1.2	The human rights to water and sanitation	36
	1.3	Groups and individuals 'left behind' in terms of access to water and sanitation	38
	1.4	Human rights-based approach to integrated water resources management (IWRM)	41
	1.5	Links between the human rights to water and sanitation and other human rights	43

# Chapter 2

Phys	Physical and environmental dimensions	
2.	1 Water-provisioning systems	45
2.	2 Sanitation	53
2.	3 Disaster risk reduction	56
2.	4 Conclusions	57

## **Chapter 3**

So	Social dimensions		<b>58</b>
	3.1	Introduction	59
	3.2	Impediments to implementing the rights to water and sanitation	60
	3.3	Inequalities related to finance, infrastructure and beyond	65
	3.4	Supporting the implementation of the human rights to water and sanitation	67

# Chapter 4

Po	litic	al, legal and institutional dimensions	72
	4.1	Introduction	73
	4.2	Policy, politics and processes	74
	4.3	Walking the talk: Implementing plans and policies	78

# Chapter 5

Economic dimensions of WASH services		84
	5.1 Introduction	85
	5.2 Providing WASH to vulnerable and disadvantaged groups: A cost-benefit analysis	86
	5.3 Affordability	87
	5.4 Increasing efficiency and reducing unit costs	89
	5.5 Designing subsidies and tariffs	90
	5.6 Funding and financing: Mobilizing commercial sources of investment	92
	5.7 Conclusions	95

# Chapter 6 Cities, url

ties,	ies, urbanization and informal settlements	
6.1	Defining who are left behind in urban settings	97
6.2	Challenges of monitoring inequalities in service	98
6.3	Mapping and data collection in informal settlements	99
6.4	Integrated urban planning and community engagement	100
6.5	Costs of service provision in high-density low-income urban settlements	101
6.6	Attracting sustainable investment at the local level	102
6.7	Financing WASH in urban settings	103
6.8	Centralized vs. decentralized urban water supply and sanitation systems	103
6.9	Conclusions and policy recommendations	104

Chap	Chapter 7		
Rural poverty		106	
7	7.1 Introduction: Three paradoxes to better understand rural poverty and water	107	
7	7.2 Emerging challenges	109	
7	7.3 Promoting pro-poor multisectoral policies	115	

### **Chapter 8**

Refugees and forced displacement crises		115
8.1	Refugees and forced displacement: A global challenge	117
8.2	Marginalization of the displaced: Main drivers	119
8.3	Providing displaced people with access to water and sanitation	121
8.4	Fragile states and states in fragile situations	126

### **Chapter 9**

# Regional perspectives1289.1 The Arab region1299.2 Asia and the Pacific1329.3 Europe and North America1359.4 Latin American and the Caribbean1389.5 Sub-Saharan Africa142

# Chapter 10Strategies and response options for inclusive development14610.1Introduction14710.2Enhancing water supply and improving accessibility14710.3Addressing the investment gap14810.4Knowledge and capacity development15010.5Governance15110.6Roles and responsibilities in realizing the human rights to water and sanitation153

## Chapter 11

The way forward	156
Coda	159

References	160
Abbreviations and acronyms	180
Boxes, figures and tables	182
Photo credits	186



by Audrey Azoulay, Director-General of UNESCO

Access to water is a human right: it is vital for the dignity of each and every individual.

The 2019 edition of the World Water Development Report focuses on the theme of "Leaving No One Behind". It argues that fulfilling the human rights to safe drinking water and sanitation for all can also significantly contribute to the achievement of the broad set of goals of the 2030 Agenda for Sustainable Development: from food and energy security, to economic development and environmental sustainability. Based on the latest data, this report's findings clearly illustrate the need to make substantial progress towards delivering on the 2030 Agenda promise of reaching the most vulnerable.

The stakes are high: nearly a third of the global population do not use safely managed drinking water services and only two fifths have access to safely managed sanitation services. The intensification of environmental degradation, climate change, population growth and rapid urbanisation — among other factors — also pose considerable challenges to water security. Furthermore, in an increasingly globalised world, the impact of water-related decisions cross borders and affect everyone.

At the current pace of progress, billions of people will remain unable to enjoy their right to access to water and sanitation and the multiple benefits that such access can provide. Yet, this report concludes these objectives are entirely achievable, so long as there is a collective will to do so, entailing new efforts to include those 'left behind' in decision-making processes.

This latest Report, coordinated by UNESCO, is the result of a collaborative effort of the UN-Water Family and was made possible thanks to the long-standing support of the Government of Italy and the Umbria Region, to whom we are extremely grateful.

I am convinced that the 2019 edition will spur action and help support Member States in making informed decisions to build more resilient, more peaceful communities, leaving no one behind.

Andrey Azonlay

Audrey Azoulay

# Foreword

by Gilbert F. Houngbo, Chair of UN-Water and President of the International Fund for Agriculture Development

The 2030 Agenda for Sustainable Development calls on us to transform our world and leave no one behind. The 2019 edition of the United Nations World Water Development Report demonstrates how improving the management of water resources, providing access to safe and affordable drinking water and sanitation for all contribute to the goals that underpin the 2030 Agenda. Water for all is essential for eradicating poverty, building peaceful and prosperous societies and reducing inequality.

The numbers speak for themselves. As the Report shows, if the degradation of the natural environment and the unsustainable pressure on global water resources continue at current rates, 45% of global Gross Domestic Product and 40% of global grain production will be at risk by 2050. Poor and marginalized populations will be disproportionately affected, further exacerbating already rising inequalities.

The 2019 edition looks at different dimensions of inequality linked to food and nutrition, disasters and migration, drawing on data and information from the UN family and others. For example: if women had the same access as men to productive resources – including land and water, they could increase yields on their farms by 20 to 30%, raising total agricultural output in these countries by 2.5 to 4%. This could reduce the number of hungry people in the world by around 12 to 17%. Further, the overall risk of being displaced by disasters has doubled since the 1970s. The depletion of water and other natural resources is increasingly recognized as a driver of displacement that triggers internal and international migration.

The 2019 Report provides evidence of the need to adapt approaches, in both policy and practice, to address the causes of exclusion and inequality. This is key to ensuring the availability and sustainable management of water and sanitation for all.

To build knowledge and inspire people to take action, UN-Water commissions UN-Water publications such as the UN World Water Development Report drawing on the experience and expertise of UN-Water Members and Partners. Thanks are due to all my colleagues, and especially to UNESCO for coordinating the production of this Report that will contribute to greater sustainability and resilience, and to creating a world where no one is left behind.

# 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 1054