# 2008 I WORLD DEVELOPMENT INDICATORS

Copyright 2008 by the International Bank for Reconstruction and Development/THE WORLD BANK 1818 H Street NW, Washington, D.C. 20433 USA

All rights reserved

Manufactured in the United States of America
First printing April 2008

This volume is a product of the staff of the Development Data Group of the World Bank's Development Economics Vice Presidency, and the judgments herein do not necessarily reflect the views of the World Bank's Board of Executive Directors or the countries they represent.

The World Bank does not guarantee the accuracy of the data included in this publication and accepts no responsibility whatsoever for any consequence of their use. The boundaries, colors, denominations, and other information shown on any map in this volume do not imply on the part of the World Bank any judgment on the legal status of any territory or the endorsement or acceptance of such boundaries. This publication uses the Robinson projection for maps, which represents both area and shape reasonably well for most of the earth's surface. Nevertheless, some distortions of area, shape, distance, and direction remain.

The material in this publication is copyrighted. Requests for permission to reproduce portions of it should be sent to the Office of the Publisher at the address in the copyright notice above. The World Bank encourages dissemination of its work and will normally give permission promptly and, when reproduction is for noncommercial purposes, without asking a fee. Permission to photocopy portions for classroom use is granted through the Copyright Center, Inc., Suite 910, 222 Rosewood Drive, Danvers, MA 01923 USA.

Photo credits: Front cover, clockwise from top left, Roobon/The Hunger Project, Curt Carnemark/World Bank, Curt Carnemark/World Bank, and Digital Vision.

If you have questions or comments about this product, please contact:

Development Data Group The World Bank

1818 H Street NW, Room MC2-812, Washington, D.C. 20433 USA Hotline: 800 590 1906 or 202 473 7824; fax 202 522 1498

Email: data@worldbank.org

Web site: www.worldbank.org or www.worldbank.org/data

ISBN 978-0-8213-7386-6

#### ECO-AUDIT

**Environmental Benefits Statement** 

The World Bank is committed to preserving endangered forests and natural resources. The Office of the Publisher has chosen to print *World Development Indicators 2008* on recycled paper with 30 percent post-consumer waste, in accordance with the recommended standards for paper usage set by the Green Press Initiative, a nonprofit program supporting publishers in using fiber that is not sourced from endangered forests. For more information, visit www.greenpressinitiative.org.

Saved:

70 trees
3,290 pounds of solid waste
25,621 gallons of waste water
6,172 pounds of net greenhouse gases
49 million BTUs of total energy



# 2008 WORLD DEVELOPMENT INDICATORS



# **PREFACE**

Release of the final report of the International Comparison Program (ICP) and publication of new estimates of purchasing power parities (PPPs) in *World Development Indicators 2008* are an important statistical milestone. The estimates offer a consistent and comprehensive set of data on the cost of living in developed and developing countries, the first since 1997, when the results of the previous ICP data collection were published in *World Development Indicators*. The 2005 data cover 146 countries and territories, 29 more than the last round in 1993—and many for the first time.

Collecting data on thousands of products sold through a multitude of outlets, the 2005 ICP is the largest international statistical program ever undertaken. New methods were used to describe the products being priced, record the data, and analyze the results. Countries in Africa took the opportunity to review their national accounts and adopt new standards and methods. In all regions regional coordinators worked closely with national statistical offices to collect and validate the data. The result is a genuine global effort, with an extensive capacity building component.

More work will follow from the ICP. First is the revision of the international (\$1 a day) poverty line and estimation of the corresponding poverty rates, certain to change our view of the absolute level of poverty in the world. PPPs have many applications in economic analysis. They are used to determine the relative size of countries and their obligations to international institutions. The publication of new estimates will inspire a new wave of academic studies. And as all of this work goes on, planning for the next round of the ICP will be getting under way.

There is much of interest in this year's *World Development Indicators* besides the ICP results. The Millennium Development Goal targets have been expanded to include new ones for reproductive health, protection of biodiversity, access to treatment for HIV/AIDS, and full and productive employment and decent work for all. Measuring the associated indicators consistently and reporting on progress pose new challenges for statisticians. The World Development Indicators database includes as many of these indicators as possible. The introduction to the *People* section looks at the importance of reproductive health for the well-being of women and children. The *Environment* section considers today's great environmental challenge: climate change.

Governance—the performance of public officials and the quality of government institutions—has long been recognized as an important determinant of development success. But to understand how governance, good or bad, affects development, it must be measured. And to provide guidance for improved performance, it must be measured in ways that are sensible to politicians, citizens, and others responsible for improving governance. The *States and Markets* section discusses how to measure governance and the problems frequently encountered in doing so. The tables provide a selection of governance indicators and other measures of the interaction of states and markets.

World Development Indicators remains a rich source of information on the world's people, their economies, and the environment. To make it more useful, we have expanded the *Primary data documentation* section. As always, we could not bring it to you without the help of our many partners and the work of hundreds of thousands of statisticians and others in developed and developing countries who gather the primary data on which these statistics are based.

Shaida Badiee Director Development Data Group

# **ACKNOWLEDGMENTS**

This book and its companion volumes, *The Little Data Book* and *The Little Green Data Book*, are prepared by a team led by David Cieslikowski under the supervision of Eric Swanson and comprising Awatif Abuzeid, Mehdi Akhlaghi, Azita Amjadi, Uranbileg Batjargal, Sebastien Dessus, Richard Fix, Masako Hiraga, Kiyomi Horiuchi, Soong Sup Lee, Ibrahim Levent, Raymond Muhula, Kyoko Okamoto, M.H. Saeed Ordoubadi, Sulekha Patel, Beatriz Prieto-Oramas, Changqing Sun, and K.M. Vijayalakshmi, working closely with other teams in the Development Economics Vice Presidency's Development Data Group. The CD-ROM development team included Azita Amjadi, Ramgopal Erabelly, Reza Farivari, Buyant Erdene Khaltarkhuu, and William Prince. The work was carried out under the management of Shaida Badiee.

The choice of indicators and text content was shaped through close consultation with and substantial contributions from staff in the World Bank's four thematic networks—Financial and Private Sector Development, Human Development, Poverty Reduction and Economic Management, and Sustainable Development—and staff of the International Finance Corporation and the Multilateral Investment Guarantee Agency. Most important, the team received substantial help, guidance, and data from external partners. For individual acknowledgments of contributions to the book's content, please see *Credits*. For a listing of key partners, see *Partners*.

Communications Development Incorporated provided overall design direction, editing, and layout, led by Meta de Coquereaumont, Bruce Ross-Larson, and Christopher Trott. Elaine Wilson created the graphics and typeset the book. Amye Kenall and Joseph Caponio provided proofreading and production assistance. Communications Development's London partner, Peter Grundy of Peter Grundy Art & Design, provided art direction and design. Staff from External Affairs oversaw printing and dissemination of the book.

# TABLE OF CONTENTS

### **FRONT**

Preface	٧
Acknowledgments	vii
Partners	хii
Users guide	XX



Tables

### 1. WORLD VIEW

Introduction

1.8	New purchasing power parity estimates from the 2005	
	International Comparison Program	8
1.1	Size of the economy	14
1.2	Millennium Development Goals: eradicating poverty and	
	saving lives	18
1.3	Millennium Development Goals: protecting our common	
	environment	22
1.4	Millennium Development Goals: overcoming obstacles	26
1.5	Women in development	28
1.6	Key indicators for other economies	32
iext ii 1a	igures, tables, and boxes	
14	Participation in the International Comparison Program has been	
<b>1</b> h	growing	2
1b	The 2005 International Comparison Program's population	_
	coverage was above 85 percent in every region	2
1c	Nontradable goods and services show wider variation in prices	2
1d	Purchasing power parities transform the size of developing	_
4-	economies' GDP in 2005	3
1e	and their shares of world GDP	3
<u>                                     </u>	China and India's economies, revised downward, remain large	3
<b>1</b> g	Income disparities remain wide	4
<u>]</u> h	and regional rankings change under purchasing power paritie	s 4
1i	Half the people in the world consumed less than	
	PPP \$1,300 a year in 2005	4
1j	The global distribution of consumption is highly uneven	4
1k	Latin America and the Caribbean and Sub-Saharan Africa	
	have the most unequal income distributions	5
11	Inequality within countries is greatest in Latin America and	
	the Caribbean and lowest in Sub-Saharan Africa	5
1m	For similar investment efforts poor countries grew faster	
	between 1996 and 2006	5
1n	but investment efforts in low-income countries were	
	insufficient to match the growth of richer countries	5
10	Regional differences in food consumption are less than	
	differences in income	6
1p	For similar levels of food consumption, malnutrition is	
	particularly high in South Asia	6
1q	Health spending has less impact on life expectancy in	
	Sub-Saharan Africa	6
1r	For similar education spending youth literacy rates are much	
	lower in West Africa	6
1s	Fragile states spend more on collective goods	7
1t	The world economy is becoming more energy efficient, but too	
	slowly to stabilize energy consumption	7
1u	Workers' remittances play a sizable role in the Middle East	
	and North Africa and Latin America and the Caribbean	7
1v	Sub-Saharan Africa is the main recipient of programmable aid	7
1.2a	Location of indicators for Millennium Development Goals 1–4	21
1 32	Location of indicators for Millonnium Dovolonment Coals 5, 7	25



### 2. PEOPLE

	Introduction	35
Tables		
2.1	Population dynamics	40
2.2	Labor force structure	44
2.3	Employment by economic activity	48
2.4	Decent work and productive employment	52
2.5	Unemployment	56
2.6 2.7	Children at work	60
2.7	Poverty Distribution of income or consumption	64 68
2.9	Assessing vulnerability and security	72
2.10	Education inputs	76
2.11	Participation in education	80
2.12	Education efficiency	84
2.13	Education completion and outcomes	88
2.14	Education gaps by income and gender	92
2.15	Health expenditure, services, and use	94
2.16 2.17	Disease prevention coverage and quality	98
2.17		102 106
2.19	Health risk factors and public health challenges	110
2.20		114
2.21	· · · · · · · · · · · · · · · · · · ·	118
Toyl fidur		
2a	es, tables, and boxes  Most maternal deaths occur in developing countries	35
2b	especially in Sub-Saharan Africa and South Asia	35
2c	Women in developing countries are more likely to die of	
	pregnancy-related causes than women in high-income countries	36
2d	The lifetime risk of dying from pregnancy-related causes is	
	unacceptably high in Sub-Saharan Africa and South Asia	36
<b>2e</b>	East Asia and Pacific leads in contraceptive use among	
ne	married women ages 15–49	36
<b>2</b> f	Women from the richest households are more likely to use	26
2g	contraception—but contraceptive prevalence rates remain low Meeting family planning needs remains a challenge—despite	36
	benefits such as reduced fertility	37
2h	Many women in developing countries have an unmet need for	
0:	contraception	37
<b>2</b> i	High adolescent fertility rates mean young women and their	07
2j	children are at higher risk of death and disability	37
2) 2k	Age-specific fertility for girls ages 15–17 All regions have made progress in providing prenatal care to	37
Z R	women at least once during their pregnancy	38
21	In South Asia rich women are three times more likely to	
	receive prenatal care than are poor women	38
2m	The proportion of births attended by skilled health staff	
	remains low in South Asia and Sub-Saharan Africa	38
<b>2</b> n	Nearly all women in Europe and Central Asia have births attended	
20	by skilled health staff—but even there poor women lag behind	38
	The importance of emergency obstetric care	39
<b>2</b> p	Most unsafe abortions take place in developing countries, especially in Latin America and the Caribbean and Africa	39
<b>2.6</b> a	In developing countries the majority of child workers ages	33
	5–14 are involved in unpaid family work	63
2.8a	The Gini coefficient and ratio of income or consumption of the	
	richest quintile to the poorest quintiles are closely correlated	71
2.11a	In some countries close to 10 percent of primary-school-age	
0.40-	children are enrolled in secondary school	83
<b>2.12a</b>	In Lesotho more girls who enroll in primary school stay in and	0-
2.13a	complete school than boys do	87
2.100	In 2005 more than 770 million people were illiterate— 64 percent of them women, a share unchanged since 1990	91
•	o i porsoni di triciri women, a silale unchangeu silice 1990	91

Location of indicators for Millennium Development Goal 8



### 3. ENVIRONMENT

	Introduction	123
Tables		
3.1	Rural population and land use	130
3.2	Agricultural inputs	134
3.3	Agricultural output and productivity	138
3.4	Deforestation and biodiversity	142
3.5	Freshwater	146
3.6	Water pollution	150
3.7	Energy production and use	154
3.8	Energy dependency and efficiency and carbon	
	dioxide emissions	158
3.9	Trends in greenhouse gas emissions	162
3.10	Sources of electricity	166
3.11	Urbanization	170
3.12	Urban housing conditions	174
3.13	Traffic and congestion	178
3.14	Air pollution	182
3.15	Government commitment	184
3.16	Toward a broader measure of savings	188
Toyt fid	ures, tables, and boxes	
33	Greenhouse gas emissions by sector and by activity	123
3h	Use of ozone-depleting substances has dropped	120
0.0	substantially since 1990	124
3c	The United States and China lead the world in carbon	
•••	dioxide emissions	124
3d	High-income countries produce far more carbon dioxide	
	emissions per capita than low- or middle-income countries	124
3e	High-income economies emitted half the global carbon	
	dioxide emissions in 2005	124
3f	Power generation and land use change were the two largest	
	sources of greenhouse gas emissions in 2000	125
3g	Fossil fuels accounted for three-quarters of the fuel used in	
_	the power sector in 2002	125
3h	Coal was responsible for the majority of emissions from the	
	power sector in 2002	125
3i	Road transport accounted for more than three-quarters of	
	total transport carbon dioxide emissions in 2000	125
3j	Climate change would hurt developing countries'	
	agricultural output	126
3k	Less rain is falling in the Sahel, with dire consequences	126
31	The rise in global mean surface temperature is accelerating	127
3m	Climate disasters are affecting more and more people,	
<u>.</u>	mostly in developing countries	127
3n	Developing countries are exposed to higher risk of	
	natural disaster	127

30	Forested areas are shrinking in Latin America and	
	Sub-Saharan Africa—recovering in East Asia	128
<b>3</b> p	The vast majority of people without access to electricity in	
	2004 lived in developing countries	128
3q	China and India generate more than two-thirds of their	
	electricity from coal	128
3r	Greater coal efficiency can reduce carbon dioxide emissions	128
3s	Social insurance spending is lower in developing countries, whe	re
	people are exposed to higher risk of climate change impact	129
3t	The climate information gap makes adaptation more difficult	129
3u	Adaptation is expensive, and funding for developing	
	countries is inadequate	129
3.1a	What is rural? Urban?	133
<b>3.2a</b>	Nearly 40 percent of land globally is devoted to agriculture	137
3.2b	Developing regions lag in agricultural machinery, which	
	reduces their agricultural productivity	137
3.3a	Cereal yield in low-income countries was only 40 percent of	
	the yield in high-income countries	141
3.3b	Sub-Saharan Africa had the lowest yield, while East Asia	
	and Pacific is closing the gap with high-income countries	141
<b>3.5a</b>	Agriculture is still the largest user of water, accounting for	
	some 70 percent of global withdrawals	149
3.5b	The share of withdrawals for agriculture approaches	
	90 percent in some developing regions	149
3.6a	Emissions of organic water pollutants declined in most countrie	
	from 1990 to 2004, even in some of the top emitters	153
3.7a	A person in a high-income economy uses an average of	
	more than 11 times as much energy as a person in a	
	low-income economy	157
3.8a	High-income economies depend on imported energy	161
3.8b	mostly from middle-income countries in the Middle East	
	and North Africa and Latin America and the Caribbean	161
<b>3.9a</b>	The 10 largest contributors to methane emissions account	
	for about 62 percent of emissions	165
3.9b	The 10 largest contributors to nitrous oxide emissions	
	account for about 56 percent of emissions	165
3.10a	Sources of electricity generation have shifted since 1990	169
3.10b	with low-income countries relying more on coal	169
3.11a	Developing economies had the largest increase in urban	
	population between 1990 and 2006	173
3.11b	Latin America and the Caribbean had the same share of	
	urban population as high-income economies in 2006	173
3.12a	Selected housing indicators for smaller economies	177
<b>3.13a</b>	Particulate matter concentration has fallen in all	
	income groups, and the higher the income, the lower	
	the concentration	181

# TABLE OF CONTENTS



### 4. ECONOMY

	Introduction	193
Tables		
4.1	Growth of output	198
4.2	Structure of output	202
4.3	Structure of manufacturing	206
4.4	Structure of merchandise exports	210
4.5	Structure of merchandise imports	214
4.6	Structure of service exports	218
4.7	Structure of service imports	222
4.8	Structure of demand	226
4.9	Growth of consumption and investment	230
4.10	Central government finances	234
4.11	Central government expenses	238
4.12	Central government revenues	242
4.13	Monetary indicators	246
4.14	Exchange rates and prices	250
4.15	Balance of payments current account	254
Text figu	res, tables, and boxes	
4a	Developing economies increased their share of world output	193
4b	Low- and lower middle-income economies have had the	
	strongest growth	194
4c	Patterns of regional growth vary widely	194
4d	Inflation is now less than 9 percent in all developing regions	194
4e	Real interest rates have fallen in many developing economies	194
4f	Oil, metal, and mineral prices have increased since 1990	195
4g	Oil-exporting economies have experienced gains	195
4h	Terms of trade, gross domestic product, and gross domestic	
	income growth for selected economies	195
4.3a	Manufacturing continues to show strong growth in East Asia	209
<b>4.4</b> a	Developing economies' share of world merchandise exports	
	continues to expand	213
<b>4.5a</b>	Top 10 developing country exporters of merchandise goods	
	in 2006	217
<b>4.6a</b>	Top 10 developing country exporters of commercial services	
	in 2006	221
4.7a	The mix of commercial service imports by developing	
	countries is changing	225
4.9a	Investment is rising rapidly in Asia	233
4.10a	Fifteen developing economies had a total debt to GDP ratio	
	of 50 percent or higher	237
<b>4.11a</b>	Interest payments are a large part of government expenses	
	for some developing countries	241
4.12a	Rich countries rely more on direct taxes	245
<b>4.15a</b>	Top 15 economies with the largest current account	
	surplus—and top 15 economies with the largest current	
	account deficit in 2006	257



### 5. STATES AND MARKETS

	Introduction	259
Tables		
5.1	Private sector in the economy	268
5.2	Business environment: enterprise surveys	272
5.3	Business environment: Doing Business indicators	276
5.4	Stock markets	280
5.5	Financial access, stability, and efficiency	284
5.6	Tax policies	288
5.7	Military expenditures and arms transfers	292
5.8	Public policies and institutions	296
5.9	Transport services	300
5.10	Power and communications	304
5.11	The information age	308
5.12	Science and technology	312
Text figu	es, tables, and boxes	
<b>5a</b>	Governance and growth go together	259
5h	Who uses governance indicators?	260
5c	Not producing the desired results	261
5d	Governance in theory and in practice	261
5e	Examples of governance outcome indicators	262
5f	Selected actionable governance indicators	263
<b>5</b> g	Drilling down: the Worldwide Governance Indicators	263
5h	Experts generally agree on governance assessments at the	
	aggregate level	264
5i	but experts can still disagree, even using a very specific	
<u></u>	assessment protocol	264
<u>5j</u>	Comparing governance scores in the light of uncertainty	265
5k	The World Bank and governance indicators	267



### 6. GLOBAL LINKS

	Introduction	211
Tables		
6.1	Integration with the global economy	320
6.2	Growth of merchandise trade	324
6.3	Direction and growth of merchandise trade	328
6.5	Primary commodity prices	334
6.6	Regional trade blocs	336
6.7	Tariff barriers	340
6.8	External debt	344
6.9	Ratios for external debt	348
6.10	Global private financial flows	352
6.11	Net official financial flows	356
6.12	Financial flows from Development Assistance	000
0.12	Committee members	360
6.13	Allocation of bilateral aid fromDevelopment Assistance	300
0.10	Committee members	362
6.14	Aid dependency	364
6.15	Distribution of net aid by Development Assistance	304
0.10	Committee members	368
6.16	Movement of people	372
6.17		
U.1/	Travel and tourism	376
Text figur	es, tables, and boxes	
6a	Developing countries' share of global trade is rising	318
6b	Manufactured goods dominate the exports of	
	developing countries	318
6c	Rising reserves and falling debt make developing countries	
	less vulnerable to crises	318
6d	Private financing has long exceeded official development	
	assistance to developing countries	318
6e	More migrants in high-income economies	319
6f	are sending more remittances to developing countries	319
6g	Europe and Central Asia and Latin America and the Caribbean	
	lead other developing regions in access to the Internet	319
6h	and in international bandwith per capita	319
6.1a	Trade and international finance are leading globalization	323
6.3a	More than half of the world's merchandise trade takes place	
	between high-income economies. But integration of low- and	
	middle-income economies in global merchandise trade	
	increased substantially during 1996–2006	330
6.4a	The composition of high-income economies' imports	
	from low- and middle-income economies has changed	
	over the last decade	333
6.6a	The number of trade agreements has increased rapidly	
	since 1990, especially free trade agreements	339
6.8a	Financial integration has complemented growth	347
6.9a	Developing countries have reduced financial vulnerability	351
6.10a	Financial integration of low-income economies remains marginal	
6.11a	While net financial flows to middle-income economies are	
	falling, low-income economies are still borrowing from	
	international financial institutions	359
6.14a	Official development assistance from non-DAC donors, 2002–06	
6.15a	Debt relief and political interests have shaped the allocation	
	of official development assistance	371
6.17a	Developing countries are spending more on tourism in other	
3.174	acceptains	270

### **BACK**

Primary data documentation	381
Statistical methods	390
Credits	392
Bibliography	394
Index of indicators	403

Defining, gathering, and disseminating international statistics is a collective effort of many people and organizations. The indicators presented in World Development Indicators are the fruit of decades of work at many levels, from the field workers who administer censuses and household surveys to the committees and working parties of the national and international statistical agencies that develop the nomenclature, classifications, and standards fundamental to an international statistical system. Nongovernmental organizations and the private sector have also made important contributions, both in gathering primary data and in organizing and publishing their results. And academic researchers have played a crucial role in developing statistical methods and carrying on a continuing dialogue about the quality and interpretation of statistical indicators. All these contributors have a strong belief that available, accurate data will improve the quality of public and private decisionmaking.

The organizations listed here have made World Development Indicators possible by sharing their data and their expertise with us. More important, their collaboration contributes to the World Bank's efforts, and to those of many others, to improve the quality of life of the world's people. We acknowledge our debt and gratitude to all who have helped to build a base of comprehensive, quantitative information about the world and its people.

For easy reference, Web addresses are included for each listed organization. The addresses shown were active on March 1, 2008. Information about the World Bank is also provided.

#### **International and government agencies**

#### **Carbon Dioxide Information Analysis Center**

The Carbon Dioxide Information Analysis Center (CDIAC) is the primary global climate change data and information analysis center of the U.S. Department of Energy. The CDIAC's scope includes anything that would potentially be of value to those concerned with the greenhouse effect and global climate change, including concentrations of carbon dioxide and other radiatively active gases in the atmosphere; the role of the terrestrial biosphere and the oceans in the biogeochemical cycles of greenhouse gases; emissions of carbon dioxide to the atmosphere; long-term climate trends; the effects of elevated carbon dioxide on vegetation; and the vulnerability of coastal areas to rising sea levels.

For more information, see http://cdiac.esd.ornl.gov/.

#### Deutsche Gesellschaft für Technische Zusammenarbeit

The Deutsche Gesellschaft für Technische Zusammenarbeit (GTZ) GmbH is a German government-owned corporation for international cooperation with worldwide operations. GTZ's aim is to positively shape political, economic, ecological, and social development in partner countries, thereby improving people's living conditions and prospects. For more information, see www.gtz.de/.



#### **Food and Agriculture Organization**

The Food and Agriculture Organization, a specialized agency of the United Nations, was founded in October 1945 with a mandate to raise nutrition levels and living standards, to increase agricultural productivity, and to better the condition of rural populations. The organization provides direct development assistance; collects, analyzes, and disseminates information; offers policy and planning advice to governments; and serves as an international forum for debate on food and agricultural issues.



For more information, see www.fao.org/.

#### **International Civil Aviation Organization**

The International Civil Aviation Organization (ICAO), a specialized agency of the United Nations, is responsible for establishing international standards and recommended practices and procedures for the technical, economic, and legal aspects of international civil aviation operations. ICAO's strategic objectives include enhancing global aviation safety and security and the efficiency of aviation operations, minimizing the adverse effect of global civil aviation on the environment, maintaining the continuity of aviation operations, and strengthening laws governing international civil aviation.



For more information, see www.icao.int/.

#### **International Labour Organization**

The International Labour Organization (ILO), a specialized agency of the United Nations, seeks the promotion of social justice and internationally recognized human and labor rights. As part of its mandate, the ILO maintains an extensive statistical publication program.



For more information, see www.ilo.org/.

#### **International Monetary Fund**

The International Monetary Fund (IMF) is the world's central organization for international monetary cooperation. Its 184 member countries work together to promote sustainable economic growth and rising living standards by ensuring the stability of the international monetary system—the system of exchange rates and international payments that enables countries (and their citizens) to buy goods and services from each other. The IMF reviews national, regional, and global economic and financial developments, provides financial advice to member countries, and serves as a forum where they can discuss the national, regional, and global consequences of their policies.



The IMF also makes financing temporarily available to member countries to help them address balance of payments problems and provides technical assistance and training to help countries build the expertise and institutions they need for economic stability and growth.

For more information, see www.imf.org/.

#### **International Telecommunication Union**

The International Telecommunication Union (ITU) is the leading UN agency for information and communication technologies. ITU's mission is to enable the growth and sustained development of telecommunications and information networks and to facilitate universal access so that people everywhere can participate in, and benefit from, the emerging information society and global economy. A key priority lies in bridging the so-called Digital Divide by building information and communication infrastructure, promoting adequate capacity building, and developing confidence in the use of cyberspace through enhanced online security. ITU also concentrates on strengthening emergency communications for disaster prevention and mitigation.



For more information, see www.itu.int/.

#### **National Science Foundation**

The National Science Foundation (NSF) is an independent U.S. government agency whose mission is to promote the progress of science; to advance the national health, prosperity, and welfare; and to secure the national defense. NSF's goals—discovery, learning, research infrastructure, and stewardship—provide an integrated strategy to advance the frontiers of knowledge, cultivate a world-class, broadly inclusive science and engineering workforce, expand the scientific literacy of all citizens, build the nation's research capability through investments in advanced instrumentation and facilities, and support excellence in science and engineering research and education through a capable and responsive organization.



For more information, see www.nsf.gov/.

#### **Organisation for Economic Co-operation and Development**

The Organisation for Economic Co-operation and Development (OECD) includes 30 member countries sharing a commitment to democratic government and the market economy to support sustainable economic growth, boost employment, raise living standards, maintain financial stability, assist other countries' economic development, and contribute to growth in world trade. With active relationships with some 100 other countries it has a global reach. It is best known for its publications and statistics, which cover economic and social issues from macroeconomics to trade, education, development, and science and innovation.



The Development Assistance Committee (DAC, www.oecd.org/dac/) is one of the principal bodies through which the OECD deals with issues related to cooperation with developing countries. The DAC is a key forum of major bilateral donors, who work together to increase the effectiveness of their common efforts to support sustainable development. The DAC concentrates on two key areas: the contribution of international development to the capacity of developing countries to participate in the global economy and the capacity of people to overcome poverty and participate fully in their societies.

For more information, see www.oecd.org/.

#### **Stockholm International Peace Research Institute**

The Stockholm International Peace Research Institute (SIPRI) conducts research on questions of conflict and cooperation of importance for international peace and security, with the aim of contributing to an understanding of the conditions for peaceful solutions to international conflicts and for a stable peace. SIPRI's main publication, SIPRI Yearbook, is an authoritive and independent source on armaments and arms control and other conflict and security issues.



For more information, see www.sipri.org/.

#### **Understanding Children's Work**

As part of broader efforts to develop effective and long-term solutions to child labor, the International Labor Organization, the United Nations Children's Fund (UNICEF), and the World Bank initiated the joint interagency research program "Understanding Children's Work and Its Impact" in December 2000. The Understanding Children's Work (UCW) project was located at UNICEF's Innocenti Research Centre in Florence, Italy, until June 2004, when it moved to the Centre for International Studies on Economic Growth in Rome.

The UCW project addresses the crucial need for more and better data on child labor. UCW's online database contains data by country on child labor and the status of children.

For more information, see www.ucw-project.org/.

#### **United Nations**

The United Nations currently has 192 member states. The purposes of the United Nations, as set forth in the Charter, are to maintain international peace and security; to develop friendly relations among nations; to cooperate in solving international economic, social, cultural, and humanitarian problems and in promoting respect for human rights and fundamental freedoms; and to be a center for harmonizing the actions of nations in attaining these ends.



For more information, see www.un.org/.

#### United Nations Centre for Human Settlements, Global Urban Observatory

The Urban Indicators Programme of the United Nations Human Settlements Programme was established to address the urgent global need to improve the urban knowledge base by helping countries and cities design, collect, and apply policy-oriented indicators related to development at the city level.

With the Urban Indicators and Best Practices programs, the Global Urban Observatory is establishing a worldwide information, assessment, and capacity building network to help governments, local authorities, the private sector, and nongovernmental and other civil society organizations.

For more information, see www.unhabitat.org/.

#### **United Nations Children's Fund**

The United Nations Children's Fund (UNICEF) works with other UN bodies and with governments and nongovernmental organizations to improve children's lives in more than 190 countries through various programs in education and health. UNICEF focuses primarily on five areas: child survival and development, basic Education and gender equality (including girls' education), child protection, HIV/AIDS, and policy advocacy and partnerships.



For more information, see www.unicef.org/.

#### **United Nations Conference on Trade and Development**

The United Nations Conference on Trade and Development (UNCTAD) is the principal organ of the United Nations General Assembly in the field of trade and development. Its mandate is to accelerate economic growth and development, particularly in developing countries. UNCTAD discharges its mandate through policy analysis; intergovernmental deliberations, consensus building, and negotiation; monitoring, implementation, and follow-up; and technical cooperation.



For more information, see www.unctad.org/.

#### United Nations Educational, Scientific, and Cultural Organization, Institute for Statistics

The United Nations Educational, Scientific, and Cultural Organization is a specialized agency of the United Nations that promotes "collaboration among nations through education, science, and culture in order to

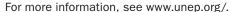


further universal respect for justice, for the rule of law, and for the human rights and fundamental freedoms . . . for the peoples of the world, without distinction of race, sex, language, or religion."

For more information, see www.uis.unesco.org/.

#### **United Nations Environment Programme**

The mandate of the United Nations Environment Programme is to provide leadership and encourage partnership in caring for the environment by inspiring, informing, and enabling nations and people to improve their quality of life without compromising that of future generations.





#### **United Nations Industrial Development Organization**

The United Nations Industrial Development Organization was established to act as the central coordinating body for industrial activities and to promote industrial development and cooperation at the global, regional, national, and sectoral levels. Its mandate is to help develop scientific and technological plans and programs for industrialization in the public, cooperative, and private sectors.

For more information, see www.unido.org/.



#### **The UN Refugee Agency**

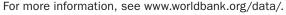
The UN Refugee Agency (UNHCR) is mandated to lead and coordinate international action to protect refugees and resolve refugee problems worldwide. Its primary purpose is to safeguard the rights and well-being of refugees. UNHCR also collects and disseminates statistics on refugees.

For more information, see www.unhcr.org



#### **World Bank Group**

The World Bank is one of the world's largest sources of funding and knowledge for developing countries. Its main focus is on helping the poorest people and the poorest countries. It uses its financial resources, staff, and extensive experience to help developing countries reduce poverty, increase economic growth, and improve their quality of life. The Bank brings a mix of money and knowledge to encourage economic and social development and help countries achieve the internationally agreed Millennium Development Goals. The World Bank supports projects that help countries to invest in many different areas: health and education, fighting corruption, boosting agricultural production, building roads and ports, and protecting the environment. Since resources are scarce, assessing the effect of projects the Bank supports is essential in developing countries and is part of its focus on actual results for poor people. The World Bank Group has 185 member countries.





#### **World Health Organization**

The objective of the World Health Organization (WHO), a specialized agency of the United Nations, is the attainment by all people of the highest possible level of health. The WHO carries out a wide range of functions, including coordinating international health work; helping governments strengthen health services;



providing technical assistance and emergency aid; working for the prevention and control of disease; promoting improved nutrition, housing, sanitation, recreation, and economic and working conditions; promoting and coordinating biomedical and health services research; promoting improved standards of teaching and training in health and medical professions; establishing international standards for biological, pharmaceutical, and similar products; and standardizing diagnostic procedures.

For more information, see www.who.int/.

#### **World Intellectual Property Organization**

The World Intellectual Property Organization (WIPO) is a specialized agency of the United Nations dedicated to developing a balanced and accessible international intellectual property (IP) system, which rewards creativity, stimulates innovation, and contributes to economic development while safeguarding the public interest. WIPO carries out a wide variety of tasks related to the protection of IP rights. These include assisting governments and organizations to develop the policies, structures and skills needed to harness the potential of IP for economic development; working with member states to develop international IP law; administering treaties; running global registration systems for trademarks, industrial designs, and appellations of origin and a filing system for patents; delivering dispute resolution services; and providing a forum for informed debate and for the exchange of expertise.



For more information, see www.wipo.int/.

#### **World Tourism Organization**

The World Tourism Organization is an intergovernmental body entrusted by the United Nations with promoting and developing tourism. It serves as a global forum for tourism policy issues and a source of tourism know-how.

For more information, see www.unwto.org/.



#### **World Trade Organization**

The World Trade Organization (WTO) is the only international organization dealing with the global rules of trade between nations. Its main function is to ensure that trade flows as smoothly, predictably, and freely as possible. It does this by administering trade agreements, acting as a forum for trade negotiations, settling trade disputes, reviewing national trade policies, assisting developing countries in trade policy issues—through technical assistance and training programs—and cooperating with other international organizations. At the heart of the system—known as the multilateral trading system—are the WTO's agreements, negotiated and signed by a large majority of the world's trading nations and ratified by their parliaments.



For more information, see www.wto.org/.

#### **Private and nongovernmental organizations**

#### **Containerisation International**

Containerisation International Yearbook is one of the most authoritative reference books on the container industry. The information can be accessed on the Containerisation International Web site, which also provides a comprehensive online daily business news and information service for the container industry.



For more information, see www.ci-online.co.uk/.

#### **International Institute for Strategic Studies**

The International Institute for Strategic Studies (IISS) provides information and analysis on strategic trends and facilitates contacts between government leaders, business people, and analysts that could lead to better public policy in international security and international relations. The IISS is a primary source of accurate, objective information on international strategic issues.



For more information, see www.iiss.org/.

#### **International Road Federation**

The International Road Federation (IRF) is a unique global platform that brings together public and private entities committed to road development. Working together with its members and associates, the IRF promotes social and economic benefits that flow from well planned and environmentally sound transportation networks. The IRF serves as a catalyst for public and private partnership to organize, promote, and develop international road programs. The main objectives include promoting the understanding of the social, economic, and environmental benefits derived from developing modern road networks, road transport systems, and road traffic control; improving road safety; planning and executing economically and environmentally sound programs for the improvement and extension of road networks; conducting educational and training programs relating to the development and maintenance of road and road transport systems; facilitating the exchange of experience with national, regional, and international institutions; and harmonizing standards, research, and dissemination of road related information.



For more information, see www.irfnet.org/.

#### **Netcraft**

Netcraft is an Internet services company and a respected authority on the market share of web servers, operating systems, hosting providers, Internet service providers, encrypted transactions, electronic commerce, scripting languages, and content technologies on the Internet. Netcraft provides Internet security services, including antifraud and antiphishing services, application testing, code reviews, and automated penetration testing as well as research data and analysis on many aspects of the Internet.

For more information, see www.netcraft.com/.

#### **PricewaterhouseCoopers**

PricewaterhouseCoopers provides industry-focused assurance, tax, human resources, transactions, performance improvement, and crisis management services to help address client and stakeholder issues. For more information, see www.pwc.com/.

#### Standard & Poor's

Standard & Poor's is the world's foremost provider of independent credit ratings, indexes, risk evaluation, investment research, and data. S&P's *Global Stock Markets Factbook* draw on data from S&P's Emerging Markets Database (EMDB) and other sources covering data on more than 100 markets with comprehensive market profiles for 82 countries. Drawing a sample of stocks in each EMDB market, Standard & Poor's calculates indices to serve as benchmarks that are consistent across national boundaries. Standard &



Poor's calculates one index, the S&P/IFCG (Global) index, that reflects the perspective of local investors and those interested in broad trends in emerging markets and another, the S&P/IFCI (Investable) index, that provides a broad, neutral, and historically consistent benchmark for the growing emerging market investment community.

For more information, see www.standardandpoors.com/.

#### **World Conservation Monitoring Centre**

The World Conservation Monitoring Centre provides information on the conservation and sustainable use of the world's living resources and helps others to develop information systems of their own. It works in close collaboration with a wide range of people and organizations to increase access to the information needed for wise management of the world's living resources.



For more information, see www.unep-wcmc.org/.

#### **World Information Technology and Services Alliance**

The World Information Technology and Services Alliance (WITSA) is a consortium of more than 60 information technology (IT) industry associations from economies around the world. WITSA members represent over 90 percent of the world IT market. As the global voice of the IT industry, WITSA has an active role in international public policy issues affecting the creation of a robust global information infrastructure, including advocating policies that advance the industry's growth and development, facilitating international trade and investment in IT products and services, increasing competition through open markets and regulatory reform, strengthening national industry associations through the sharing of knowledge, protecting intellectual property, encouraging cross-industry and government cooperation to enhance information security, bridging the education and skills gap, and safeguarding the viability and continued growth of the Internet and electronic commerce.



For more information, see www.witsa.org/.

#### **World Resources Institute**

The World Resources Institute is an independent center for policy research and technical assistance on global environmental and development issues. The institute provides—and helps other institutions provide—objective information and practical proposals for policy and institutional change that will foster environmentally sound, socially equitable development. The institute's current areas of work include trade, forests, energy, economics, technology, biodiversity, human health, climate change, sustainable agriculture, resource and environmental information, and national strategies for environmental and resource management.



For more information, see www.wri.org/.

# **USERS GUIDE**

#### **Tables**

The tables are numbered by section and display the identifying icon of the section. Countries and economies are listed alphabetically (except for Hong Kong, China, which appears after China). Data are shown for 153 economies with populations of more than 1 million, as well as for Taiwan, China, in selected tables. Table 1.6 presents selected indicators for 56 other economies—small economies with populations between 30,000 and 1 million and smaller economies if they are members of the International Bank for Reconstruction and Development (IBRD) or, as it is commonly known, the World Bank. The term country, used interchangeably with economy, does not imply political independence, but refers to any territory for which authorities report separate social or economic statistics. When available, aggregate measures for income and regional groups appear at the end of each table.

Indicators are shown for the most recent year or period for which data are available and, in most tables, for an earlier year or period (usually 1990 or 1995 in this edition). Time-series data are available on the World Development Indicators CD-ROM and in WOL Online

Known deviations from standard definitions or breaks in comparability over time or across countries are either footnoted in the tables or noted in *About the data*. When available data are deemed to be too weak to provide reliable measures of levels and trends or do not adequately adhere to international standards, the data are not shown.

#### Aggregate measures for income groups

The aggregate measures for income groups include 209 economies (the economies listed in the main tables plus those in table 1.6) whenever data are available. To maintain consistency in the aggregate measures over time and between tables, missing data are imputed where possible. The aggregates are totals (designated by a t if the aggregates include gap-filled estimates for missing data and by an s, for simple totals, where they do not), median values (m), weighted averages (w), or simple averages (u).

Gap filling of amounts not allocated to countries may result in discrepancies between subgroup aggregates and overall totals. For further discussion of aggregation methods, see Statistical methods.

#### **Aggregate measures for regions**

The aggregate measures for regions cover only lowand middle-income economies, including economies with populations of less than 1 million listed in table 1.6.

The country composition of regions is based on the World Bank's analytical regions and may differ from common geographic usage. For regional classifications, see the map on the inside back cover and the list on the back cover flap. For further discussion of aggregation methods, see Statistical methods.

#### Statistics

Data are shown for economies as they were constituted in 2006, and historical data are revised to reflect current political arrangements. Exceptions are noted throughout the tables.

Additional information about the data is provided in *Primary data documentation*. That section summarizes national and international efforts to improve basic data collection and gives country-level information on primary sources, census years, fiscal years, statistical methods and concepts used, and other background information. *Statistical methods* provides technical information on some of the general calculations and formulas used throughout the book.

#### Data consistency, reliability, and comparability

Considerable effort has been made to standardize the data, but full comparability cannot be assured, and care must be taken in interpreting the indicators. Many factors affect data availability, comparability, and reliability: statistical systems in many developing economies are still weak; statistical methods, coverage, practices, and definitions differ widely; and cross-country and intertemporal comparisons involve complex technical and conceptual problems that cannot be resolved unequivocally. Data coverage may not be complete because of special circumstances

affecting the collection and reporting of data, such as problems stemming from conflicts.

For these reasons, although data are drawn from the sources thought to be most authoritative, they should be construed only as indicating trends and characterizing major differences among economies rather than as offering precise quantitative measures of those differences. Discrepancies in data presented in different editions of *World Development Indicators* reflect updates by countries as well as revisions to historical series and changes in methodology. Thus readers are advised not to compare data series between editions of *World Development Indicators* or between different World Bank publications. Consistent time-series data for 1960–2006 are available on the *World Development Indicators* CD-ROM and in *WDI Online*.

Except where otherwise noted, growth rates are in real terms. (See Statistical methods for information on the methods used to calculate growth rates.) Data for some economic indicators for some economies are presented in fiscal years rather than calendar years; see Primary data documentation. All dollar figures are current U.S. dollars unless otherwise stated. The methods used for converting national currencies are described in Statistical methods.

#### **Country notes**

- Unless otherwise noted, data for China do not include data for Hong Kong, China; Macao, China; or Taiwan, China.
- Data for Indonesia include Timor-Leste through
   1999 unless otherwise noted
- Montenegro declared independence from Serbia and Montenegro on June 3, 2006. When available, data for each country are shown separately. However, some indicators for Serbia continue to include data for Montenegro through 2005; these data are footnoted in the tables. Moreover, data for most indicators from 1999 onward for Serbia exclude data for Kosovo, a territory within Serbia that is currently under international administration pursuant to UN Security Council Resolution 1244 (1999); any exceptions are noted.

#### **Classification of economies**

For operational and analytical purposes the World Bank's main criterion for classifying economies is gross national income (GNI) per capita (calculated by the World Bank Atlas method). Every economy is classified as low income, middle income (subdivided into lower middle and upper middle), or high income. For income classifications see the map on the inside front cover and the list on the front cover flap. Lowand middle-income economies are sometimes referred to as developing economies. The term is used for convenience; it is not intended to imply that all economies in the group are experiencing similar development or that other economies have reached a preferred or final stage of development. Note that classification by income does not necessarily reflect development status. Because GNI per capita changes over time, the country composition of income groups may change from one edition of World Development Indicators to the next. Once the classification is fixed for an edition, based on GNI per capita in the most recent year for which data are available (2006 in this edition), all historical data presented are based on the same country

Low-income economies are those with a GNI per capita of \$905 or less in 2006. Middle-income economies are those with a GNI per capita of more than \$905 but less than \$11,116. Lower middle-income and upper middle-income economies are separated at a GNI per capita of \$3,595. High-income economies are those with a GNI per capita of \$11,116 or more. The 15 participating member countries of the euro area are presented as a subgroup under high-income economies. Note that Cyprus and Malta joined the euro area on January 1, 2008.

#### **Symbols**

means that data are not available or that aggregates cannot be calculated because of missing data in the years shown.

#### 0 or 0.0

means zero or small enough that the number would round to zero at the displayed number of decimal places.

/

in dates, as in 2003/04, means that the period of time, usually 12 months, straddles two calendar years and refers to a crop year, a survey year, or a fiscal year.

\$

means current U.S. dollars unless otherwise noted.

>

means more than.

<

means less than.

#### **Data presentation conventions**

- A blank means not applicable or, for an aggregate, not analytically meaningful.
- A billion is 1,000 million.
- A trillion is 1,000 billion.
- Figures in italics refer to years or periods other than those specified or to growth rates calculated for less than the full period specified.
- Data for years that are more than three years from the range shown are footnoted.

The cutoff date for data is February 1, 2008.