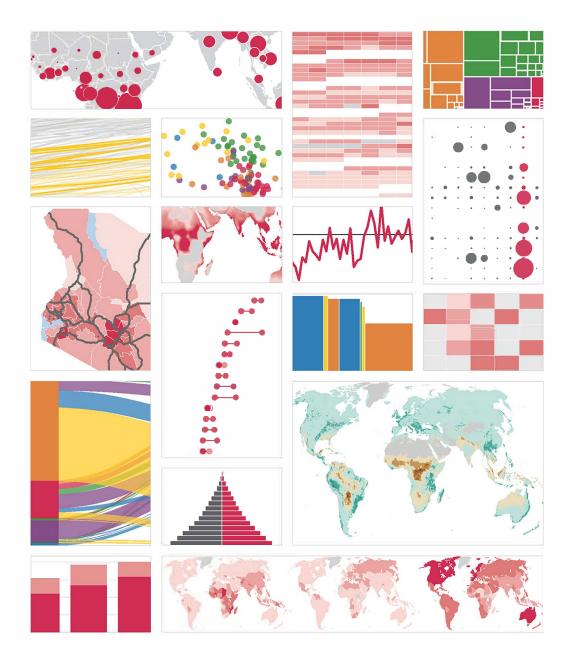
Atlas of Sustainable Development Goals 2018 From World Development Indicators





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Foreword

The 17 Sustainable Development Goals (SDGs) represent the world's most ambitious plan to promote the sustainable development of our people and planet—and are fully aligned with the World Bank Group's twin goals to end extreme poverty and build shared prosperity in a sustainable manner.

Achieving the SDGs by 2030 will require more and better financing, a renewed focus on implementation to improve the lives of those hardest to reach, and significant improvements in data collection and analysis.

The World Bank Group's country-led processes have shown us that countries have a strong desire to meet the objectives of the 2030 Agenda, and as a result, our support for this work continues to grow. The professionals in our sectoral global practices already possess deep knowledge of and experience in regard to all 17 of the SDGs.

That expertise is reflected in this Atlas of Sustainable Development Goals 2018, which presents a visual guide to key trends and the issues that surround them. It aims to help us better understand progress on the SDGs and to aid policy makers engaging with them in their everyday work.

This Atlas would not be possible without the efforts of statisticians and data scientists working in national and international agencies around the world. By quantifying our work,

they help shape development interventions and approaches so that we can all make better decisions about our lives and the resources we manage.

The Atlas draws on the World Bank Group's World Development Indicators, a database of more than 1,400 indicators for more than 220 economies, many going back over 50 years. It also explores new data from scientists and researchers where standards for measuring SDG targets are still being developed.

Data are critical for decision making and accountability. While analysis of big data is commonplace in the private sector, similar techniques can be adopted by development professionals to gain real-time insights into people's well-being and to better target aid interventions for vulnerable groups.

Ultimately, the purpose of managing data in this way is to produce measurable results improved resilience to economic, environmental, and humanitarian shocks; more jobs and opportunities; and improved education, health, nutrition, and gender equality—while leaving no one behind.

The SDGs have energized our efforts to work with partners to reach these ambitious targets—and this Atlas provides the type of knowledge we need to most efficiently direct our efforts to achieve them.

> Mahmoud Mohieldin Senior Vice President World Bank Group

Acknowledgments

The Atlas of Sustainable Development Goals 2018 was produced by the Development Economics Data Group of the World Bank, in collaboration with the Global Practices and Cross-Cutting Solution Areas of the World Bank and the Office of the Senior Vice President for the 2030 Development Agenda, United Nations Relations, and Partnerships.

The publication was prepared by a team led by Tarig Khokhar and Andrew Whitby, under the management of Umar Serajuddin and the overall direction of Haishan Fu. The maps and data visualizations were produced by Meera Desai, Tariq Khokhar, Karthik Ramanathan Dhanalakshmi Ramanathan, and Andrew Whitby.

Elizabeth Purdie managed the editorial process, and contributions were received from Husein Abdul-Hamid, Paola Agostini, Luis Alberto Andres, Saniya Ansar, Raka Banerjee, Daron Bedrosyan, Juliette Besnard, Hasita Bhammar, Randall Brummett, Ana Elisa Bucher, Eliana Carranza, Simon Davies, Klaus Deininger, Harun Dogo, Vivien Foster, Alvaro Gonzalez, Stephanie Hallegatte, Ellen Hamilton, Nagaraja Rao Harshadeep, Lewis Hawke, Tim Herzog, Barbro Hexeberg, Thea Hilhorst, Masako Hiraga, Patrick Hoang-Vu Eozenou, Aira Maria Htenas, Atsushi Iimi, Oleksiy Ivaschenko, Chris Jackson, Arvind Jain, Filip Jolevski, Bala Bhaskar Naidu Kalimili, Haruna Kashiwase, Buyant Khaltarkhuu, Tariq Khokhar, Silvia Kirova, Leora Klapper, Charles Kouame, Jens Kristensen, Craig P. Kullmann, Yunziyi Lang, Samuel Lantei Mills, Jia Jun Lee, Joseph Lemoine, Shiging Li, Libbet Loughnan, Hiroko Maeda, David Mariano, Dino Merotto, Ines Mugica, Silvia Muzi, Petra Nahmias, Esther Naikal, Marco Nicoli, Marina Novikova, Tigran Parvanyan, Oya Pinar Ardic Alper, Ana Florina Pirlea, Tanya Primiani, Espen Beer Prydz, Elizabeth Purdie, Kanta

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Bruno Bonansea provided guidance on maps. Michael Harrup, Jewel McFadden, and Yaneisy Martinez oversaw printing and distribution. A team at Communications Development Incorporated—led by Bruce Ross-Larson and including Joe Caponio, Christopher Trott, and Elaine Wilson-managed the design, editing, and layout. Jomo Tariku managed the print and digital publication process, designed the cover, and produced promotional materials with David Mariano. Lisa Burke provided administrative support. Malarvizhi Veerappan led the systems team managing data from which much of this publication draws.

The authors are grateful to the communities behind the multiple open-source software packages used to develop this publication. In particular, the authors relied heavily on the R statistical computing environment, the applot2 data visualization library, and the QGIS geographic information system software.

About the Atlas

The Atlas of Sustainable Development Goals 2018 presents maps, charts, and stories related to the Sustainable Development Goals (SDGs). It discusses trends, comparisons, and measurement issues using accessible and shareable data visualizations.

The data draw on the World Development Indicators (WDI) database—the World Bank's compilation of internationally comparable statistics about global development and the quality of people's lives. For each of the SDGs, relevant indicators have been chosen to illustrate important ideas.

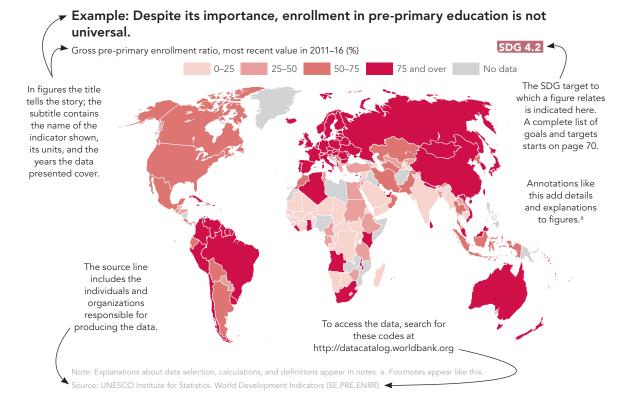
In some cases—for example, those in which country or temporal coverage is limitedsupplementary data from other databases or published studies have been used. For some targets, there may be no reliable data to use for comparisons between countries or to measure progress.

The cutoff date for data included in this edition is March 30, 2018.

The 2018 Atlas uses two primary methods for classifying and aggregating countries and economies—by income (as defined for the World Bank's 2018 fiscal year) and by region. These are presented in the maps on pages viii-xi.

For more information, including details on the structure of the coding scheme; the methodology, concepts, definitions, coverage, periodicity, and development relevance of all WDI indicators; and the methods used for classifying countries for analytical purposes, please refer to http://datahelpdesk.worldbank.org

All the figures in this Atlas are produced in R with ggplot2 or with QGIS. For a digital version of this publication and the source code for the majority of charts and maps, please refer to http://data.worldbank.org/sdgatlas



Introduction

The World Bank is one of the world's largest producers of development data and research. But our responsibility does not stop with making these global public goods available; we need to make them understandable to a general audience. When both the public and policy makers share an evidence-based view of the world, real advances in social and economic development, such as achieving the Sustainable Development Goals (SDGs), become possible.

This Atlas of Sustainable Development Goals 2018 is a visual guide to the data on each of the 17 SDGs. With more than 180 annotated charts and maps, it presents this information in a way that is easy to browse, share, teach, and understand.

You'll see both progress and possibility. Life expectancy has risen around the world since the 1960s, but even today, in low-income countries a third of all deaths are among children under age 5. New data show that only 69 percent of the world's adults have an account with a financial institution or mobile money provider, and they're even less likely to have an account if they're women, younger, poorer, or less educated.

The Atlas draws on World Development Indicators but also incorporates data from other sources. For example, research by Global Fishing Watch analyzes radio transmissions used by industrial fishing vessels for collision detection to show the most heavily fished regions of the ocean and the impact humans are having on those ecosystems. The Atlas moves beyond averages and features local and disaggregated data. For instance, the discussion of air pollution presents national estimates for most countries, a subnational view showing variations within large countries such as China and India, and a year-long view showing a city's seasonal variation in pollution picked up by one sensor at Delhi Technological University.

Given the breadth and scope of the SDGs, the Atlas is selective, emphasizing issues considered important by subject experts, data scientists, and statisticians at the World Bank.

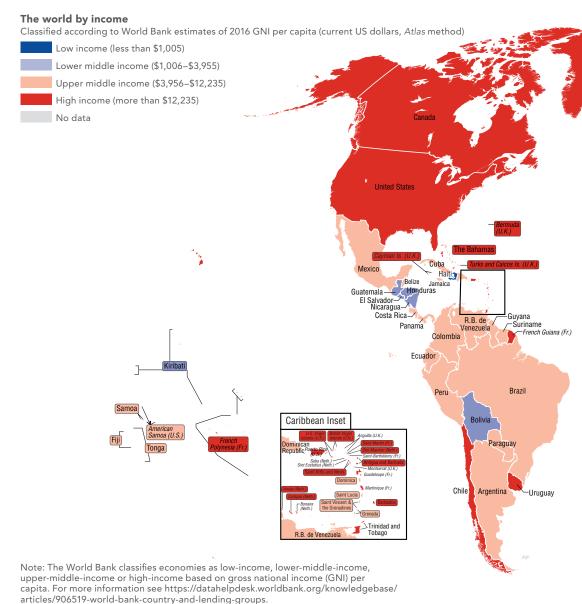
The foundation for any evidence is trust: trust that data have been collected, managed, and analyzed responsibly and trust that they have been faithfully presented. The Atlas is the first World Bank publication that sets out to be computationally reproducible—the majority of its charts and maps are produced with published code, directly from public data sources such as the World Bank's Open Data platform.

The Atlas distills the World Bank's knowledge of data related to the SDGs. I hope it inspires you to explore these issues further so that we can collectively accelerate progress toward achieving the SDGs.

Shanta Devarajan Senior Director, Development Economics and Acting Chief Economist World Bank Group

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East Asia and Pacific

American Samoa Upper middle income Australia High income Brunei Darussalam High income Lower middle income Cambodia China Upper middle income Fiji Upper middle income French Polynesia High income Guam High income Hong Kong SAR, China High income Indonesia Lower middle income High income Japan Kiribati Lower middle income Korea, Dem. People's Rep. Low income Korea, Rep. High income Lao PDR Lower middle income Macao SAR, China High income

Micronesia, Fed. Sts. Lower middle income Mongolia Myanmar Nauru **New Caledonia** New Zealand Northern Mariana Islands Palau Papua New Guinea **Philippines** Samoa Singapore Solomon Islands Thailand Timor-Leste Tonga Tuvalu Vanuatu Vietnam

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High income High income Lower middle income Lower middle income Upper middle income High income Lower middle income Upper middle income Lower middle income Upper middle income Upper middle income Lower middle income Lower middle income

Europe and Central Asia

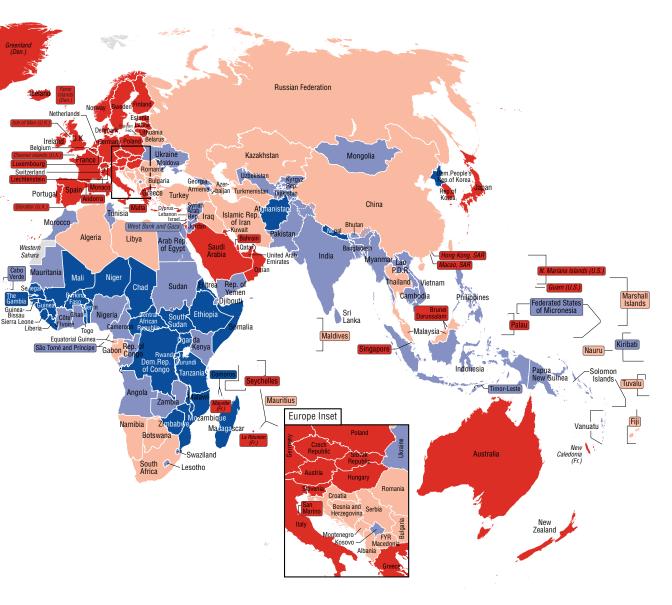
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Malaysia

Marshall Islands

Upper middle income

Upper middle income



Georgia Lower middle income Germany High income High income Gibraltar Greece High income High income Greenland Hungary High income Iceland High income Ireland High income Isle of Man High income Italy High income Kazakhstan Upper middle income Kosovo Lower middle income Kyrgyz Republic Lower middle income Latvia High income Liechtenstein High income Lithuania High income Luxembourg High income Upper middle income Macedonia, FYR Moldova Lower middle income High income Monaco

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Upper middle income

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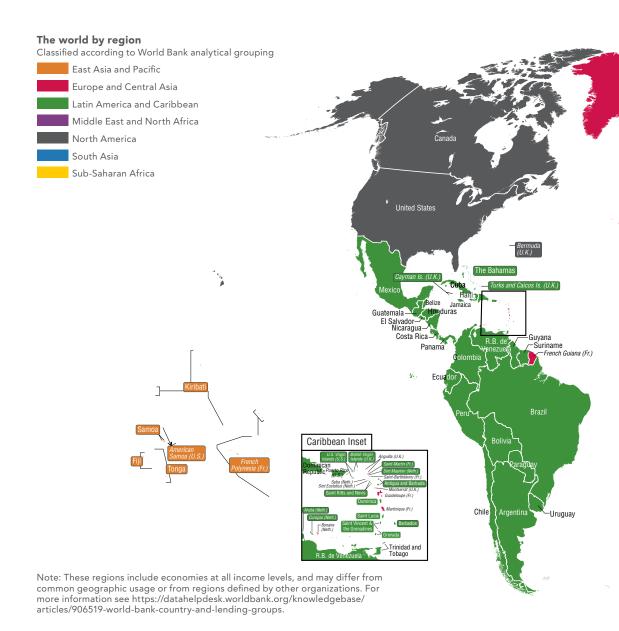
High income

High income

Latin America and the Caribbean

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Dominica Upper middle income **Dominican Republic** Upper middle income Ecuador Upper middle income El Salvador Lower middle income



Grenada Guatemala Guvana Haiti **Honduras** Jamaica Mexico Nicaragua Panama **Paraguay** Peru Puerto Rico Sint Maarten

St. Kitts and Nevis St. Lucia St. Martin

St. Vincent and the Grenadines Suriname

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Upper middle income

Lower middle income

Upper middle income

Lower middle income

Low income

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Islands Uruguay Venezuela, RB

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High income

High income

Middle East and North Africa

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Malta Morocco Oman Qatar Saudi Arabia Syrian Arab Republic Tunisia

United Arab Emirates High income West Bank and Gaza Yemen, Rep.

North America

Bermuda Canada **United States**

South Asia Afghanistan Bangladesh

High income Lower middle income High income High income

High income Lower middle income Lower middle income

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High income High income High income

Low income Lower middle income



Bhutan Lower middle income India Lower middle income Maldives Upper middle income Nepal Low income Lower middle income **Pakistan** Sri Lanka Lower middle income

Lower middle income

Sub-Saharan Africa

Angola

Benin Low income Botswana Upper middle income **Burkina Faso** Low income Burundi Low income Cabo Verde Lower middle income Cameroon Lower middle income Central African Republic Low income Chad Low income Comoros Low income

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Mozambique Low income Namibia Upper middle income Niger Low income Nigeria Lower middle income Low income Rwanda São Tomé and Principe Lower middle income Senegal Low income Seychelles High income Sierra Leone Low income Somalia Low income South Africa Upper middle income South Sudan Low income Sudan Lower middle income Swaziland Lower middle income Tanzania Low income Low income Togo Uganda Low income Zambia Lower middle income

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Zimbabwe

