



# Policies on Spatial Distribution and Urbanization

Data Booklet



United Nations

# Policies on Spatial Distribution and Urbanization

The spatial distribution of the population and urbanization are closely linked to developmental challenges and opportunities. More than half of the world's population already resides in urban areas, while the remaining rural population increasingly depends on urban centres for social and economic progress. Policies to improve living conditions of people in both rural and urban areas and to promote sustainable urbanization are relevant for the implementation of the 2030 Agenda for Sustainable Development and for the new framework for urban development adopted during the United Nations Conference on Housing and Sustainable Urban Development (Habitat III) in October 2016 in Quito, Ecuador.

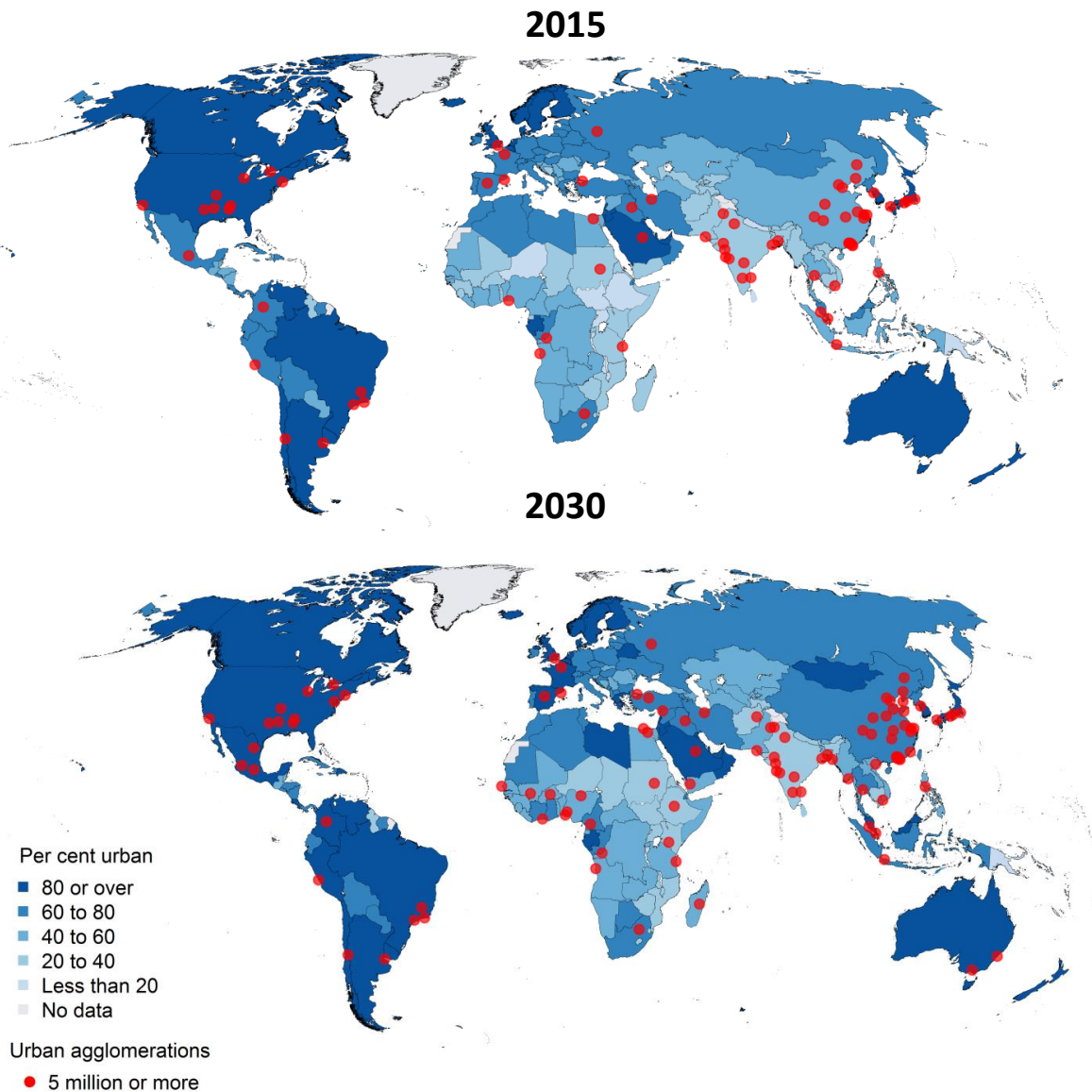
This data booklet presents selected government policies, strategies and measures to influence the spatial distribution of the population and to promote rural development and sustainable urbanization for 197 countries. Data are drawn primarily from the World Population Policies Database: The 2015 Revision.

Suggested citation: United Nations, Department of Economic and Social Affairs, Population Division (2016). *Policies on Spatial Distribution and Urbanization: Data Booklet (ST/ESA/SER.A/394)*.

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## Percentage of population living in urban areas



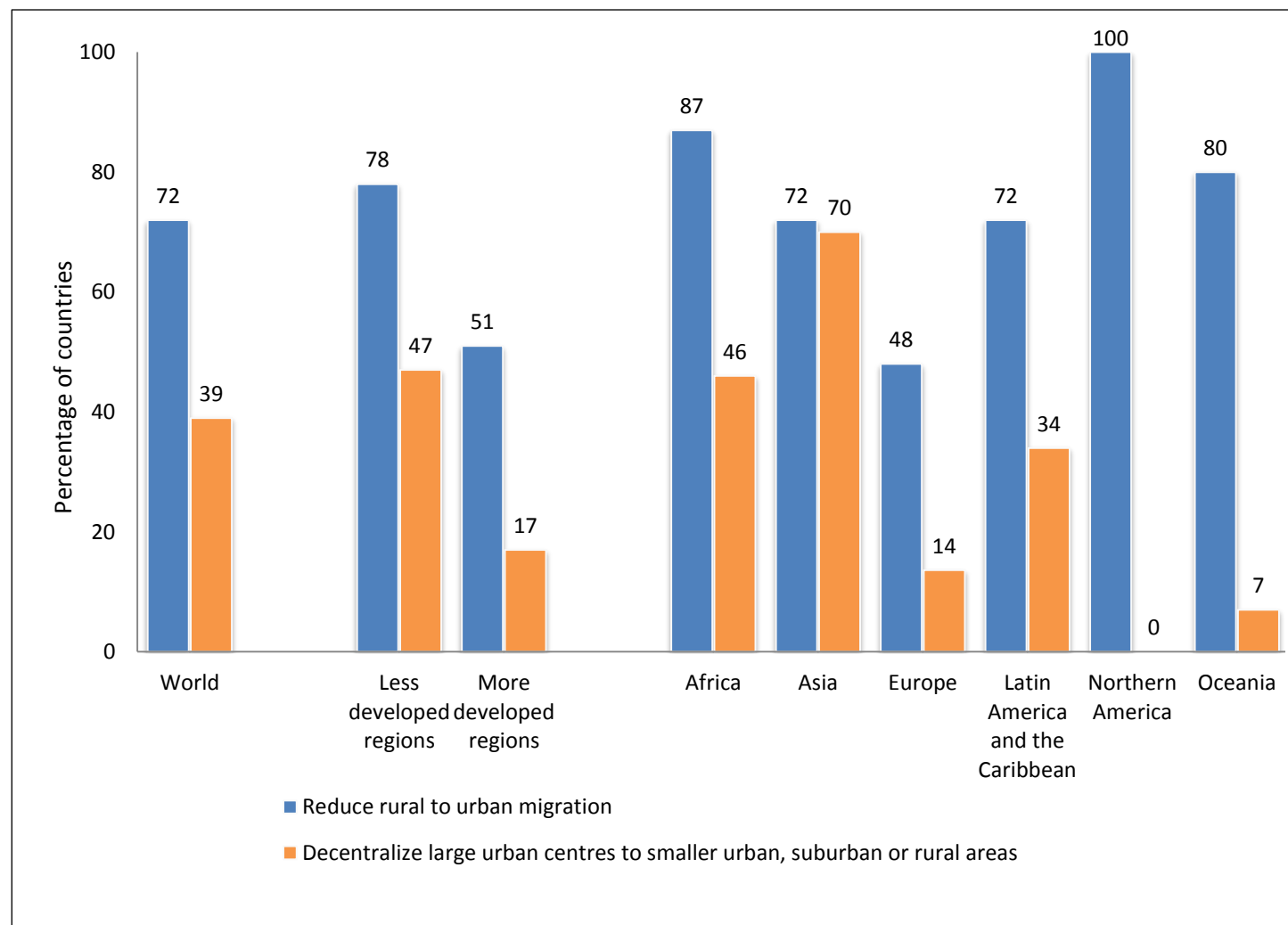
*The proportion of the population residing in urban areas is rising in all regions of the world, but the rate of urban growth is much higher in Africa and Asia, where 85 per cent of the global increase in the urban population between 2015 and 2030 is projected to occur. During this period, the number of urban agglomerations with population of five million or more is projected to increase from 73 to 104. Of the additional 31 new urban agglomerations in this category, 26 will be in Africa and Asia.*

The boundaries and names shown and the designations used on this map do not imply official endorsement or acceptance by the United Nations. Dotted line represents approximately the Line of Control in Jammu and Kashmir agreed upon by India and Pakistan. The final status of Jammu and Kashmir has not yet been agreed upon by the parties. Chagos Archipelago/Diego Garcia - Appears without prejudice to the question of sovereignty. A dispute exists between the Governments of Argentina and the United Kingdom of Great Britain and Northern Ireland concerning sovereignty over the Falkland Islands (Malvinas). Final boundary between the Republic of the Sudan and the Republic of South Sudan has not yet been determined. Final status of the Abyei area is not yet determined.

*Data source:* United Nations, Department of Economic and Social Affairs, Population Division (2014). World Urbanization Prospects: The 2014 Revision, CD-ROM Edition.

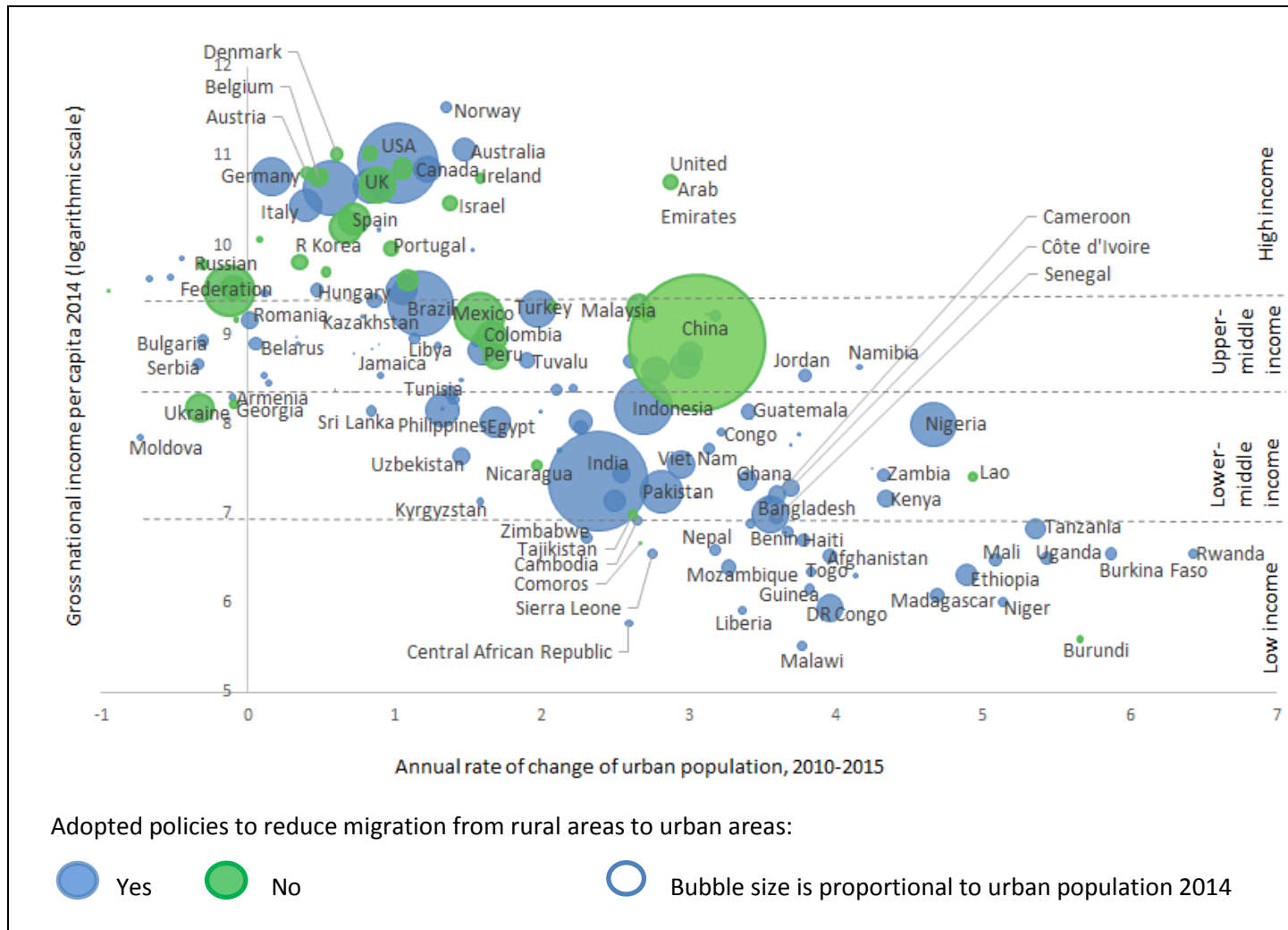
## Governments with policies or strategies in the past five years to encourage population redistribution, 2015

*Governments in less developed regions were more likely than those in more developed regions to have adopted policies or strategies in the past five years to influence the spatial distribution of the population in their countries.*



Data source: United Nations, Department of Economic and Social Affairs, Population Division (2016). World Population Policies Database: The 2015 Revision.

## Governments with policies to reduce migration from rural areas to urban areas in the past five years, 2015

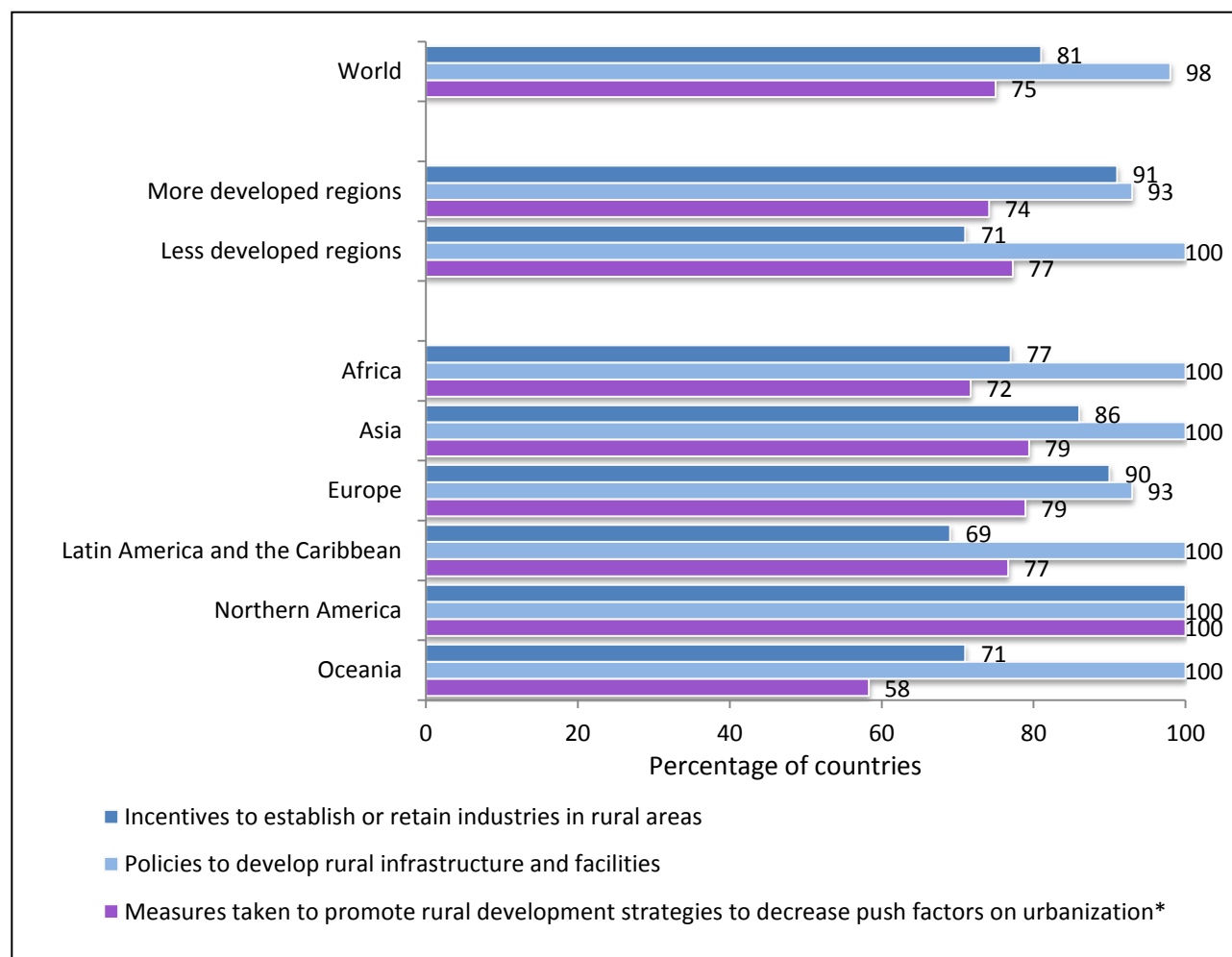


*In recent years, countries experiencing higher urban growth rates, which are mostly in lower income groups, were more likely to have policies to reduce migration from rural areas to urban areas.*

*Data sources:* United Nations, Department of Economic and Social Affairs, Population Division (2016). World Population Policies Database: The 2015 Revision; United Nations, Department of Economic and Social Affairs, Population Division (2014). World Urbanization Prospects: The 2014 Revision, CD-ROM Edition; World Bank (2015). World Development Indicators 2015. Washington, DC: World Bank.

## Governments with policy measures to promote rural development in the past five years, 2015

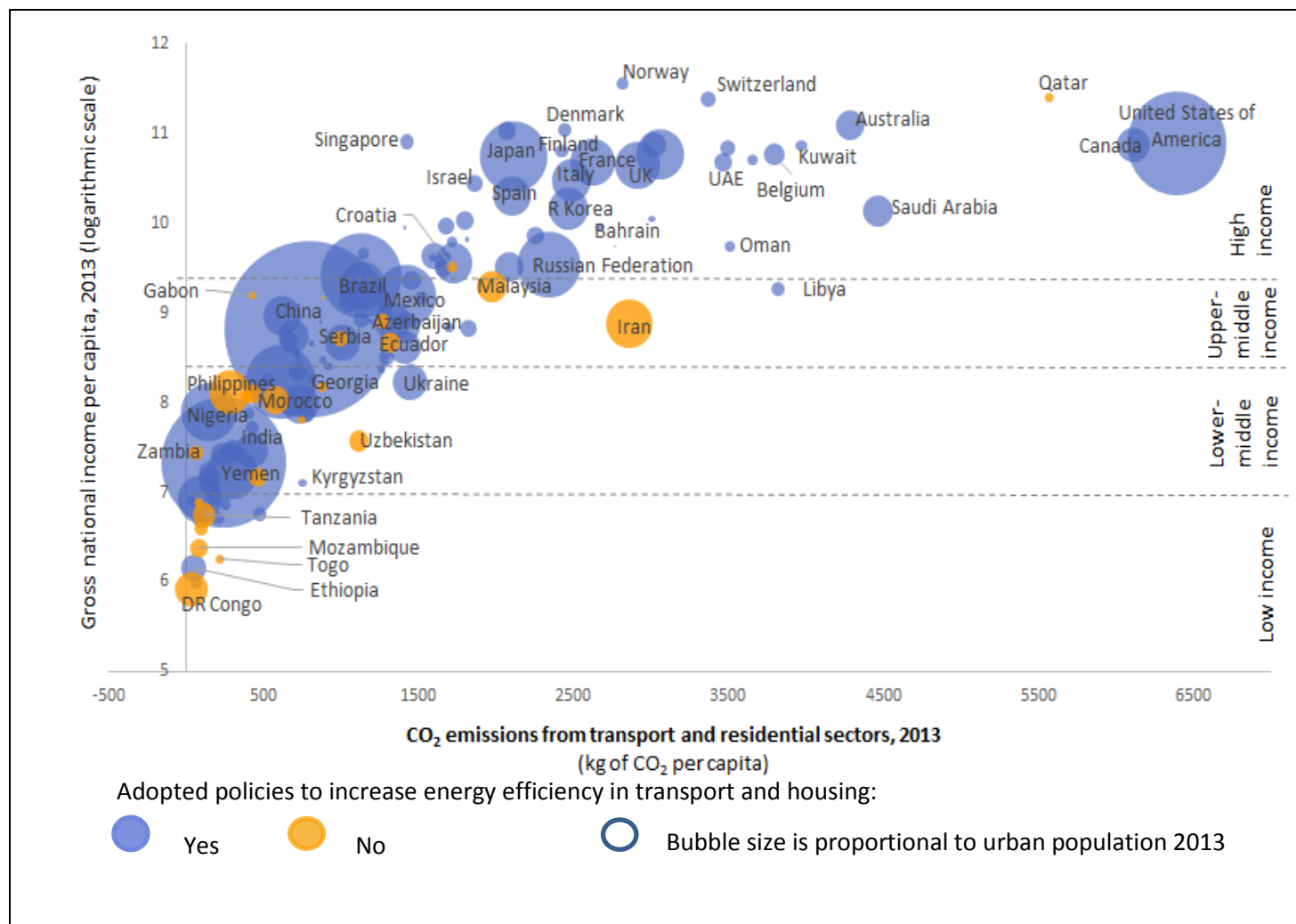
*Despite increasing levels of urbanization, measures to promote rural development were adopted by a large majority of Governments in all regions of the world. Policies to develop rural infrastructure and facilities remained nearly universal.*



\* Refers to five years preceding 2012

Data sources: United Nations, Department of Economic and Social Affairs, Population Division (2016). World Population Policies Database: The 2015 Revision; United Nations Population Fund (2012). The ICPD Beyond 2014 Global Survey Database.

## Governments with policy measures to increase energy efficiency in transport and housing in the past five years, 2015

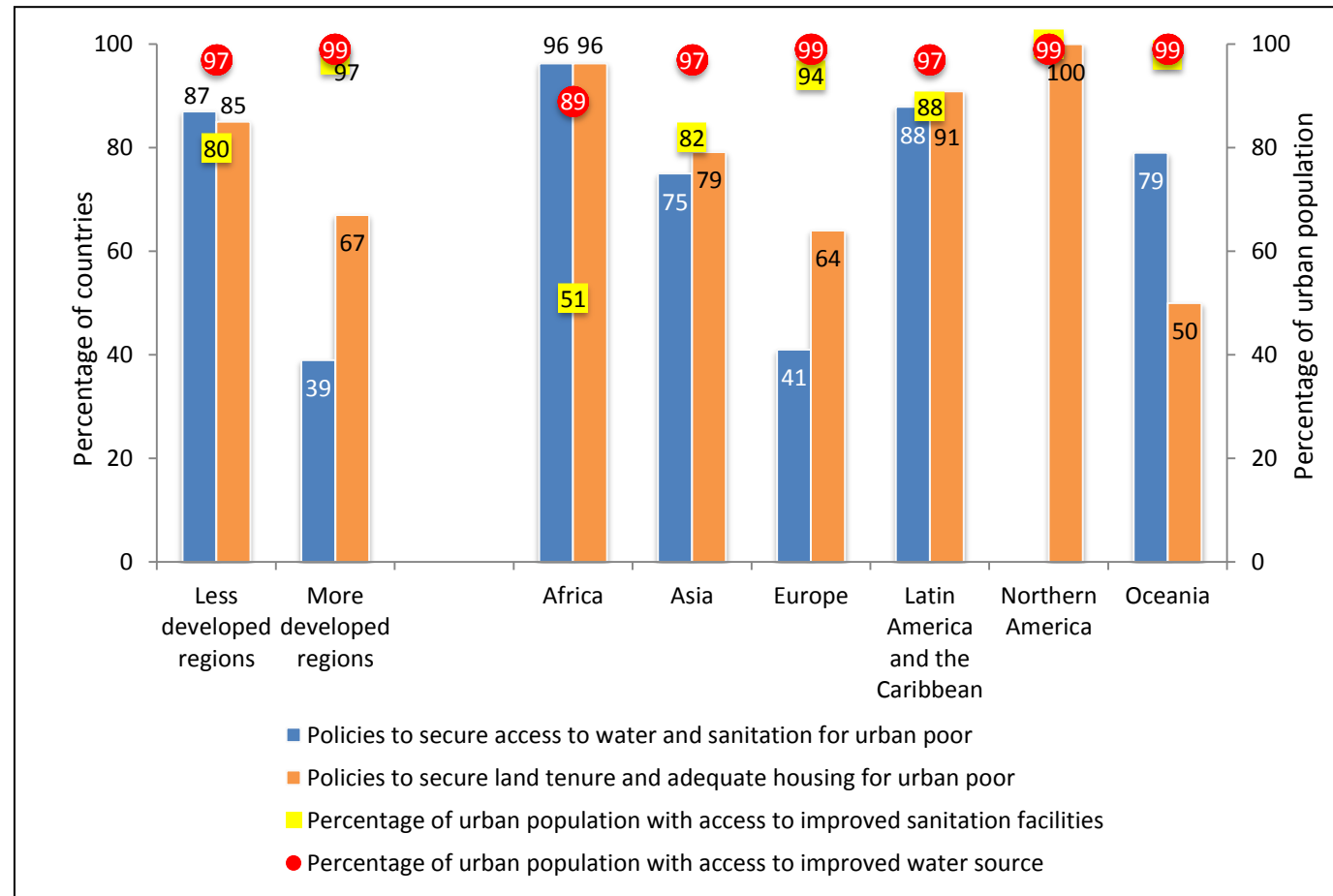


*High-income countries, where per capita CO<sub>2</sub> emissions tend to be higher, were more likely to have adopted policy measures to increase energy efficiency in the transport and housing sectors in recent years. Many middle-income countries, but only a few low-income countries, had adopted such policy measures.*

Data sources: United Nations, Department of Economic and Social Affairs, Population Division (2016). World Population Policies Database: The 2015 Revision; International Energy Agency (2015). CO<sub>2</sub> Emissions From Fuel Combustion Highlights (2015 Edition). Summary table "CO<sub>2</sub> emissions by sector in 2013"; World Bank (2015). World Development Indicators. Washington, DC: World Bank.

## Governments with policy measures to improve living conditions of the urban poor in the past five years, 2015

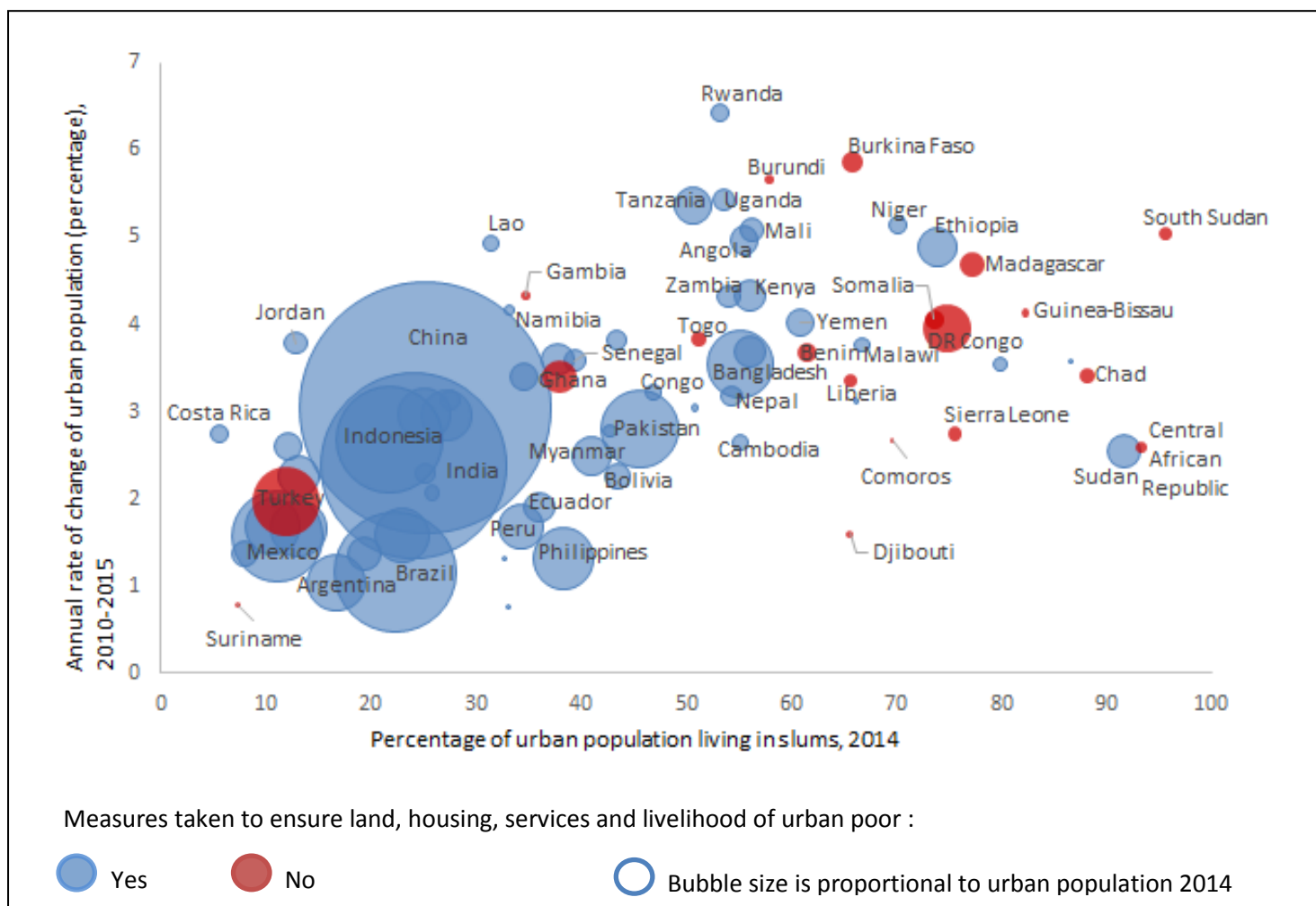
*In recent years, Governments in less developed regions were more likely to have adopted policies to improve access to water and sanitation and to secure land tenure and adequate housing for the urban poor than in more developed regions, where access to such services was already widespread.*



Data sources: United Nations, Department of Economic and Social Affairs, Population Division (2016). World Population Policies Database: The 2015 Revision; World Health Organization/United Nations Children's Fund (2015). Joint Monitoring Programme for Water Supply and Sanitation. Data and Estimates.



## Measures taken by Governments to ensure land, housing, services and livelihood of the urban poor in the past five years in less developed regions, 2012



*In less developed regions, concrete measures to improve living conditions of the urban poor were particularly lacking in countries with higher proportion of slum dwellers and faster pace of urbanization.*

Data sources: United Nations Population Fund (2012). ICPD Beyond 2014 Global Survey Database; United Nations, Department of Economic and Social Affairs, Population Division (2014). World Urbanization Prospects: The 2014 Revision, CD-ROM Edition; United Nations (2015). Millennium Development Goals Indicators.

**Table 1**  
**Government policies, strategies and measures taken in the past five years to influence the spatial distribution of the population, promote rural development, and improve living conditions and sustainability of large urban centres**

|                             | Spatial distribution of population                    |   |  | Rural development  |  |  |   | Living conditions and sustainability of large urban centres |  |  |   |   |   |
|-----------------------------|---|---|--|--|--|--|---|---|--|--|---|---|---|
|                             | Reduce migration from rural areas to urban areas 2015 | Decentralize large urban centres to smaller urban, suburban or rural areas 2015 | Relocate out of environmentally fragile or threatened areas 2015 | Provide incentives to establish or retain industries in rural areas 2015 | Relocate industries from large urban centres to rural areas 2015 | Develop rural infrastructure and facilities 2015 | Promote rural development strategies to decrease push factors on urbanization 2012* | Increase energy efficiency in transport and housing 2015    | More stringent environmental regulations for industries within or surrounding large urban centres 2015 | Improve solid waste management system 2015 | Secure access to water and sanitation for urban poor 2015 | Secure land tenure and adequate housing for urban poor 2015 | Ensure land, housing, services and livelihood of urban poor 2012* |
| <b>Africa</b>               |   |   |  |  |  |  |   |   |  |  |   |   |   |
| <b>Eastern Africa</b>       |   |   |  |  |  |  |   |   |  |  |   |   |   |
| Burundi                     | ○   | ○   | ○  | ●  | ○  | ●  | ●   | ●   | ●  | ●  | ●   | ●   | ○   |
| Comoros                     | ○   | ○   | ○  | ●  | ○  | ●  | ●   | ○   | ○  | ○  | ●   | ●   | ○   |
| Djibouti                    | ●   | ●   | ○  | ○  | ○  | ●  | ○   | ○   | ○  | ○  | ●   | ●   | ○   |
| Eritrea                     | ○   | ○   | ○  | ○  | ○  | ●  | ○   | ○   | ○  | ●  | ●   | ●   | ○   |
| Ethiopia                    | ●   | ●   | ●  | ○  | ○  | ●  | ●   | ●   | ●  | ●  | ●   | ●   | ●   |
| Kenya                       | ●   | ●   | ○  | ○  | ○  | ●  | ●   | ●   | ○  | ●  | ●   | ●   | ●   |
| Madagascar                  | ●   | ○   | ●  | ●  | ○  | ●  | ○   | ●   | ●  | ●  | ●   | ●   | ○   |
| Malawi                      | ●   | ●   | ○  | ●  | ○  | ●  | ●   | ○   | ○  | ●  | ●   | ●   | ●   |
| Mauritius                   | ○   | ○   | ○  | ○  | ○  | ●  | ●   | ●   | ●  | ●  | ●   | ●   | ○   |
| Mozambique                  | ●   | ○   | ●  | ●  | ○  | ●  | ○   | ●   | ○  | ●  | ●   | ●   | ○   |
| Rwanda                      | ●   | ●   | ○  | ●  | ○  | ●  | ●   | ○   | ○  | ●  | ●   | ●   | ●   |
| Seychelles                  | ○   | ○   | ○  | ●  | ○  | ●  | ○   | ○   | ○  | ○  | ○   | ○   | ○   |
| Somalia                     |   |   |  | ●  | ○  | ●  | ○   | ○   | ○  | ●  | ●   | ●   | ○   |
| South Sudan                 |   |   |  | ○  | ○  | ●  | ○   | ○   | ○  | ●  | ●   | ●   | ○   |
| Uganda                      | ●   | ●   | ○  | ●  | ○  | ●  | ○   | ○   | ○  | ●  | ●   | ●   | ●   |
| United Republic of Tanzania | ●   | ●   | ○  | ●  | ○  | ●  | ●   | ●   | ○  | ●  | ●   | ●   | ●   |
| Zambia                      | ●   | ○   | ○  | ●  | ○  | ●  | ●   | ○   | ○  | ●  | ●   | ●   | ●   |
| Zimbabwe                    | ●   | ●   | ○  | ●  | ○  | ●  | ●   | ●   | ○  | ○  | ●   | ●   | ●   |
| <b>Middle Africa</b>        |   |   |  |  |  |  |   |   |  |  |   |   |   |
| Angola                      | ○   | ○   | ○  | ●  | ○  | ●  | ●   | ○   | ○  | ●  | ●   | ○   | ●   |
| Cameroon                    | ●   | ●   | ●  | ●  | ○  | ●  | ○   | ●   | ●  | ●  | ●   | ●   | ●   |
| Central African Republic    | ●   | ○   | ○  | ○  | ○  | ●  | ●   | ○   | ○  | ●  | ●   | ●   | ○   |

|                                  | Spatial distribution of population                    |   |  | Rural development  |  |  | Living conditions and sustainability of large urban centres                         |  |  |  |   |   |   |
|----------------------------------|---|---|--|--|--|--|---|--|--|--|---|---|---|
|                                  | Reduce migration from rural areas to urban areas 2015 | Decentralize large urban centres to smaller urban, suburban or rural areas 2015 | Relocate out of environmentally fragile or threatened areas 2015 | Provide incentives to establish or retain industries in rural areas 2015 | Relocate industries from large urban centres to rural areas 2015 | Develop rural infrastructure and facilities 2015 | Promote rural development strategies to decrease push factors on urbanization 2012* | Increase energy efficiency in transport and housing 2015 | More stringent environmental regulations for industries within or surrounding large urban centres 2015 | Improve solid waste management system 2015 | Secure access to water and sanitation for urban poor 2015 | Secure land tenure and adequate housing for urban poor 2015 | Ensure land, housing, services and livelihood of urban poor 2012* |
| Chad                             | ●   | ○   | ○  | ●  | ○  | ●  | ●   | ○  | ○  | ○  | ●   | ●   | ○   |
| Congo                            | ●   | ○   | ○  | ●  | ○  | ●  | ●   | ○  | ○  | ●  | ●   | ●   | ●   |
| Democratic Republic of the Congo | ●   | ○   | ○  | ●  | ○  | ●  | ○   | ○  | ○  | ●  | ●   | ●   | ○   |
| Equatorial Guinea                | ●   | ○   | ○  | ●  | ○  | ●  | ●   | ○  | ○  | ●  | ●   | ●   | ●   |
| Gabon                            | ○   | ●   | ○  | ●  | ○  | ●  | ●   | ●  | ●  | ●  | ●   | ●   | ●   |
| São Tomé and Príncipe            | ●   | ○   | ○  | ●  | ○  | ●  | ●   | ○  | ○  | ○  | ●   | ●   | ●   |
| <b>Northern Africa</b>           |   |   |  |  |  |  |   |  |  |  |   |   |   |
| Algeria                          | ●   | ●   | ○  | ●  | ○  | ●  | ●   | ●  | ●  | ●  | ●   | ●   | ●   |
| Egypt                            | ●   | ●   | ●  | ●  | ○  | ●  | ●   | ●  | ●  | ●  | ●   | ●   | ●   |
| Libya                            | ●   | ○   | ○  |  |  |  |   | ○  | ○  | ○  | ○   | ●   |   |
| Morocco                          | ●   | ○   | ○  | ○  | ○  | ●  | ●   | ●  | ○  | ●  | ●   | ●   | ●   |
| Sudan                            | ●   | ○   | ○  | ●  | ○  | ●  | ●   | ●  | ○  | ○  | ●   | ●   | ●   |
| Tunisia                          | ●   | ●   | ○  | ●  | ○  | ●  | ●   | ●  | ●  | ●  | ●   | ●   | ●   |
| <b>Southern Africa</b>           |   |   |  |  |  |  |   |  |  |  |   |   |   |
| Botswana                         | ●   | ○   | ○  | ○  | ○  | ●  | ○   | ○  | ○  | ●  | ●   | ●   | ○   |
| Lesotho                          | ●   | ●   | ○  | ●  | ○  | ●  | ○   | ●  | ○  | ●  | ●   | ●   | ●   |
| Namibia                          | ●   | ●   | ○  | ●  | ○  | ●  | ●   | ○  | ○  | ○  | ●   | ●   | ●   |
| South Africa                     | ●   | ○   | ○  | ●  | ○  | ●  | ●   | ●  | ○  | ●  | ●   | ●   | ●   |
| Swaziland                        | ●   | ○   | ○  | ○  | ○  | ●  | ●   | ○  | ○  | ●  | ●   | ●   | ●   |
| <b>Western Africa</b>            |   |   |  |  |  |  |   |  |  |  |   |   |   |
| Benin                            | ●   | ●   | ○  | ●  | ○  | ●  | ○   | ○  | ○  | ●  | ●   | ●   | ○   |
| Burkina Faso                     | ●   | ●   | ○  | ●  | ○  | ●  | ●   | ○  | ○  | ●  | ●   | ●   | ○   |
| Cabo Verde                       | ●   | ○   | ○  | ●  | ○  | ●  |   | ●  | ○  | ●  | ●   | ●   | ●   |
| Côte d'Ivoire                    | ●   | ○   | ●  | ●  | ○  | ●  | ●   | ●  | ○  | ●  | ●   | ●   | ●   |
| Gambia                           | ●   | ○   | ○  | ●  | ○  | ●  | ●   | ○  | ○  | ●  | ●   | ●   | ○   |

|                            | Spatial distribution of population                    |   |  | Rural development  |  |  | Living conditions and sustainability of large urban centres                         |  |  |  |   |   |   |
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| Ghana                      | ●   | ●   | ○  | ●  | ○  | ●  | ●   | ○  | ○  | ●  | ●   | ●   | ○   |
| Guinea                     | ●   | ●   | ○  | ●  | ○  | ●  | ●   | ○  | ○  | ●  | ●   | ●   | ●   |
| Guinea-Bissau              | ●   | ○   | ○  | ●  | ○  | ●  | ○   | ●  | ○  | ○  | ●   | ●   | ○   |
| Liberia                    | ●   | ○   | ○  | ●  | ○  | ●  | ●   | ●  | ○  | ●  | ●   | ●   | ○   |
| Mali                       | ●   | ○   | ○  | ●  | ○  | ●  | ●   | ○  | ○  | ●  | ●   | ●   | ●   |
| Mauritania                 | ●   | ●   | ○  | ●  | ○  | ●  |   | ●  | ○  | ●  | ●   | ●   | ●   |
| Niger                      | ●   | ●   | ○  | ●  | ○  | ●  | ○   | ○  | ○  | ●  | ●   | ●   | ●   |
| Nigeria                    | ●   | ●   | ○  | ○  | ○  | ●  | ○   | ●  | ○  | ●  | ●   | ●   |   |
| Senegal                    | ●   | ●   | ●  | ○  | ○  | ●  | ●   | ○  | ●  | ●  | ●   | ●   | ●   |
| Sierra Leone               | ●   | ○   | ○  | ●  | ○  | ●  | ●   | ●  | ○  | ●  | ●   | ●   | ○   |
| Togo                       | ●   | ●   | ○  | ●  | ○  | ●  | ○   | ●  | ●  | ●  | ●   | ●   | ○   |
| <b>Asia</b>                |   |   |  |  |  |  |   |  |  |  |   |   |   |
| <i>Eastern Asia</i>        |   |   |  |  |  |  |   |  |  |  |   |   |   |
| China                      | ○   | ●   | ○  | ●  | ○  | ●  | ●   | ●  | ●  | ●  | ●   | ●   | ●   |
| DPR Korea                  | ●   | ○   | ○  | ○  | ○  | ●  | ●   | ○  | ○  | ○  | ●   | ○   | ○   |
| Japan                      | ●   | ●   | ○  | ●  | ○  | ●  | ○   | ●  | ○  | ●  | ○   | ●   | ○   |
| Mongolia                   | ●   | ●   | ○  | ●  | ●  | ●  | ●   | ●  | ○  | ●  | ●   | ●   | ●   |
| Republic of Korea          | ○   | ●   | ○  | ●  | ○  | ●  |   | ●  | ○  | ●  | ○   | ●   |   |
| <i>South-central Asia</i>  |   |   |  |  |  |  |   |  |  |  |   |   |   |
| Afghanistan                | ●   | ○   | ○  | ○  | ○  | ●  | ○   | ○  | ○  | ●  | ●   | ●   | ○   |
| Bangladesh                 | ●   | ●   | ○  | ●  | ●  | ●  | ●   | ●  | ○  | ●  | ●   | ●   | ●   |
| Bhutan                     | ●   | ●   | ○  | ●  | ○  | ●  | ●   | ○  | ○  | ●  | ●   | ●   | ●   |
| India                      | ●   | ●   | ○  | ●  | ●  | ●  | ●   | ●  | ●  | ●  | ●   | ●   | ●   |
| Iran (Islamic Republic of) | ●   | ●   | ○  | ●  | ○  | ●  | ●   | ●  | ●  | ●  | ●   | ●   | ●   |
| Kazakhstan                 | ●   | ●   | ○  | ●  | ○  | ●  | ●   | ○  | ○  | ●  | ●   | ●   | ●   |
| Kyrgyzstan                 | ●   | ●   | ○  | ●  | ○  | ●  | ○   | ●  | ○  | ●  | ●   | ●   | ○   |

|                                  | Spatial distribution of population                    |   |  | Rural development  |  |  | Living conditions and sustainability of large urban centres                         |  |  |  |   |   |   |
|----------------------------------|---|---|--|--|--|--|---|--|--|--|---|---|---|
|                                  | Reduce migration from rural areas to urban areas 2015 | Decentralize large urban centres to smaller urban, suburban or rural areas 2015 | Relocate out of environmentally fragile or threatened areas 2015 | Provide incentives to establish or retain industries in rural areas 2015 | Relocate industries from large urban centres to rural areas 2015 | Develop rural infrastructure and facilities 2015 | Promote rural development strategies to decrease push factors on urbanization 2012* | Increase energy efficiency in transport and housing 2015 | More stringent environmental regulations for industries within or surrounding large urban centres 2015 | Improve solid waste management system 2015 | Secure access to water and sanitation for urban poor 2015 | Secure land tenure and adequate housing for urban poor 2015 | Ensure land, housing, services and livelihood of urban poor 2012* |
| Maldives                         | ●   | ●   | ●  | ●  | ○  | ●  | ●   | ●  | ○  | ●  | ○   | ●   | ●   |
| Nepal                            | ●   | ●   | ○  | ●  | ○  | ●  | ●   | ●  | ○  | ●  | ●   | ●   | ●   |
| Pakistan                         | ●   | ●   | ○  | ●  | ○  | ●  | ●   | ●  | ○  | ●  | ●   | ●   | ●   |
| Sri Lanka                        | ●   | ●   | ●  | ●  | ●  | ●  | ●   | ●  | ●  | ●  | ●   | ●   | ●   |
| Tajikistan                       | ○   | ○   | ●  | ●  | ○  | ●  | ○   | ●  | ○  | ●  | ●   | ●   | ●   |
| Turkmenistan                     |   |   |  | ●  | ○  | ●  | ●   | ●  | ○  | ○  | ●   | ○   |   |
| Uzbekistan                       | ●   | ●   | ○  | ●  | ○  | ●  |   | ●  | ○  | ●  | ●   | ●   |   |
| <b>South-eastern Asia</b>        |   |   |  |  |  |  |   |  |  |  |   |   |   |
| Brunei Darussalam                | ○   | ●   | ○  | ●  | ○  | ●  |   | ●  | ○  | ●  | ○   | ○   |   |
| Cambodia                         | ●   | ○   | ○  | ●  | ○  | ●  | ●   | ○  | ○  | ●  | ●   | ●   | ●   |
| Indonesia                        | ●   | ●   | ●  | ●  | ●  | ●  | ●   | ●  | ●  | ●  | ●   | ●   | ●   |
| Lao People's Democratic Republic | ○   | ○   | ○  | ●  | ○  | ●  | ●   | ○  | ○  | ●  | ●   | ○   | ●   |
| Malaysia                         | ○   | ●   | ○  | ●  | ○  | ●  | ●   | ●  | ○  | ●  | ○   | ●   | ●   |
| Myanmar                          | ●   | ●   | ○  | ●  | ○  | ●  | ●   | ●  | ○  | ●  | ●   | ●   | ●   |
| Philippines                      | ●   | ●   | ●  | ●  | ●  | ●  | ●   | ●  | ●  | ●  | ●   | ●   | ●   |
| Singapore                        | ○   | ●   | ○  |  |  |  |   | ●  | ●  | ●  | ○   | ●   |   |
| Thailand                         | ●   | ●   | ○  | ●  | ○  | ●  |   | ●  | ●  | ●  | ○   | ●   | ●   |
| Timor-Leste                      | ●   | ○   | ○  | ●  | ○  | ●  | ○   | ○  | ○  | ●  | ●   | ○   |   |
| Viet Nam                         | ●   | ●   | ○  | ●  | ○  | ●  | ●   | ●  | ○  | ●  | ●   | ●   | ●   |
| <b>Western Asia</b>              |   |   |  |  |  |  |   |  |  |  |   |   |   |
| Armenia                          | ●   | ○   | ○  | ●  | ○  | ●  | ●   | ●  | ○  | ●  | ●   | ●   | ○   |
| Azerbaijan                       | ●   | ○   | ○  | ●  | ●  | ●  | ●   | ●  | ●  | ●  | ●   | ●   | ○   |
| Bahrain                          | ○   | ○   | ○  |  |  |  |   | ●  | ○  | ○  | ○   | ●   |   |
| Cyprus                           | ●   | ○   | ○  | ●  | ○  | ●  |   | ●  | ○  | ●  | ○   | ○   |   |
| Georgia                          | ○   | ●   | ○  | ○  | ○  | ●  | ●   | ○  | ○  | ●  | ●   | ●   | ●   |
| Iraq                             | ●   | ●   | ○  | ●  | ●  | ●  |   | ○  | ●  | ●  | ●   | ●   |   |

|                        | Spatial distribution of population                    |   |  | Rural development  |  |  | Living conditions and sustainability of large urban centres                         |  |  |  |   |   |   |
|------------------------|---|---|--|--|--|--|---|--|--|--|---|---|---|
|                        | Reduce migration from rural areas to urban areas 2015 | Decentralize large urban centres to smaller urban, suburban or rural areas 2015 | Relocate out of environmentally fragile or threatened areas 2015 | Provide incentives to establish or retain industries in rural areas 2015 | Relocate industries from large urban centres to rural areas 2015 | Develop rural infrastructure and facilities 2015 | Promote rural development strategies to decrease push factors on urbanization 2012* | Increase energy efficiency in transport and housing 2015 | More stringent environmental regulations for industries within or surrounding large urban centres 2015 | Improve solid waste management system 2015 | Secure access to water and sanitation for urban poor 2015 | Secure land tenure and adequate housing for urban poor 2015 | Ensure land, housing, services and livelihood of urban poor 2012* |
| Israel                 | ○   | ○   | ○  | ○  | ○  | ●  |   | ●  | ●  | ●  | ●   | ○   |   |
| Jordan                 | ●   | ●   | ○  | ●  | ○  | ●  | ●   | ●  | ●  | ●  | ●   | ●   | ●   |
| Kuwait                 | ○   | ●   | ○  |  |  |  |   | ●  | ●  | ●  | ○   | ●   |   |
| Lebanon                | ●   | ●   | ○  | ●  | ●  | ●  | ●   | ●  | ●  | ●  | ○   | ○   | ○   |
| Oman                   | ●   | ○   | ●  | ●  | ●  | ●  | ●   | ○  | ●  | ●  | ●   | ●   | ●   |
| Qatar                  | ○   | ●   | ○  |  |  |  | ○   | ●  | ●  | ●  | ○   | ●   | ●   |
| Saudi Arabia           | ●   | ●   | ○  | ●  | ●  | ●  |   | ●  | ○  | ●  | ●   | ●   |   |
| State of Palestine     | ●   | ○   | ○  | ○  | ○  | ●  |   | ●  | ●  | ●  | ●   | ○   |   |
| Syrian Arab Republic   | ●   | ●   | ○  | ●  | ○  | ●  | ●   | ○  | ○  | ●  | ●   | ●   | ●   |
| Turkey                 | ●   | ●   | ○  | ●  | ○  | ●  | ○   | ●  | ○  | ●  | ●   | ●   | ○   |
| United Arab Emirates   | ○   | ●   | ○  | ●  | ○  | ●  |   | ●  | ○  | ●  | ●   | ●   |   |
| Yemen                  | ●   | ○   | ○  | ○  | ○  | ●  |   | ○  | ○  | ●  | ●   | ○   | ●   |
| <b>Europe</b>          |   |   |  |  |  |  |   |  |  |  |   |   |   |
| <b>Eastern Europe</b>  |   |   |  |  |  |  |   |  |  |  |   |   |   |
| Belarus                | ●   | ●   | ●  | ●  | ○  | ●  | ●   | ●  | ○  | ○  | ●   | ○   | ○   |
| Bulgaria               | ●   | ○   | ○  | ●  | ○  | ●  |   | ●  | ●  | ●  | ●   | ●   |   |
| Czechia                | ○   | ○   | ●  | ●  | ○  | ●  | ●   | ●  | ●  | ●  | ○   | ●   | ●   |
| Hungary                | ●   | ○   | ○  | ●  | ○  | ●  |   | ●  | ○  | ●  | ●   | ●   |   |
| Poland                 | ○   | ○   | ○  | ●  | ●  | ●  | ●   | ●  | ●  | ●  | ●   | ●   | ●   |
| Republic of Moldova    | ●   | ○   | ○  | ●  | ○  | ●  | ●   | ●  | ●  | ●  | ●   | ●   | ○   |
| Romania                | ●   | ○   | ●  | ●  | ○  | ●  | ●   | ●  | ●  | ●  | ●   | ●   | ●   |
| Russian Federation     | ○   | ○   | ○  | ●  | ○  | ●  |   | ●  | ○  | ●  | ○   | ●   |   |
| Slovakia               | ○   | ○   | ○  | ●  | ○  | ●  | ○   | ●  | ○  | ●  | ○   | ●   | ○   |
| Ukraine                | ○   | ○   | ○  | ○  | ○  | ●  | ●   | ●  | ○  | ●  | ●   | ●   | ●   |
| <b>Northern Europe</b> |   |   |  |  |  |  |   |  |  |  |   |   |   |
| Denmark                | ○   | ○   | ○  | ●  | ○  | ●  | ●   | ●  | ○  | ●  | ○   | ○   | ●   |

|                        | Spatial distribution of population                    |   |  | Rural development  |  |  | Living conditions and sustainability of large urban centres                         |  |  |  |   |   |   |
|------------------------|---|---|--|--|--|--|---|--|--|--|---|---|---|
|                        | Reduce migration from rural areas to urban areas 2015 | Decentralize large urban centres to smaller urban, suburban or rural areas 2015 | Relocate out of environmentally fragile or threatened areas 2015 | Provide incentives to establish or retain industries in rural areas 2015 | Relocate industries from large urban centres to rural areas 2015 | Develop rural infrastructure and facilities 2015 | Promote rural development strategies to decrease push factors on urbanization 2012* | Increase energy efficiency in transport and housing 2015 | More stringent environmental regulations for industries within or surrounding large urban centres 2015 | Improve solid waste management system 2015 | Secure access to water and sanitation for urban poor 2015 | Secure land tenure and adequate housing for urban poor 2015 | Ensure land, housing, services and livelihood of urban poor 2012* |
| Estonia                | ●   | ○   | ○  | ●  | ○  | ●  |   | ●  | ●  | ●  | ○   | ○   |   |
| Finland                | ○   | ○   | ●  | ●  | ○  | ●  | ●   | ●  | ●  | ●  | ○   | ●   | ●   |
| Iceland                | ●   | ○   | ○  | ●  | ○  | ●  |   | ●  | ○  | ●  | ○   | ○   |   |
| Ireland                | ○   | ●   | ○  | ●  | ○  | ●  |   | ●  | ●  | ●  | ●   | ●   |   |
| Latvia                 | ●   | ●   | ○  | ●  | ○  | ●  |   | ●  | ○  | ●  | ○   | ●   |   |
| Lithuania              | ●   | ○   | ○  | ●  | ○  | ●  | ●   | ●  | ○  | ●  | ●   | ●   |   |
| Norway                 | ●   | ○   | ○  | ●  | ●  | ●  | ●   | ●  | ○  | ●  | ●   | ○   | ●   |
| Sweden                 | ○   | ○   | ○  | ●  | ○  | ●  |   | ●  | ○  | ●  | ○   | ○   |   |
| United Kingdom         | ○   | ○   | ○  | ●  | ○  | ●  |   | ●  | ●  | ●  | ○   | ●   |   |
| <b>Southern Europe</b> |   |   |  |  |  |  |   |  |  |  |   |   |   |
| Albania                | ●   | ○   | ○  | ●  | ○  | ●  | ●   | ●  | ●  | ●  | ●   | ●   | ●   |
| Andorra                | ○   | ○   | ○  | ●  | ○  | ○  |   | ○  | ○  | ○  | ○   | ○   |   |
| Bosnia and Herzegovina | ●   | ○   | ○  | ●  | ○  | ●  | ●   | ●  | ○  | ●  | ●   | ●   | ●   |
| Croatia                | ●   | ○   | ○  | ●  | ○  | ●  |   | ●  | ○  | ●  | ○   | ●   | ●   |
| Greece                 | ○   | ●   | ○  | ●  | ○  | ●  |   | ●  | ●  | ●  | ●   | ●   |   |
| Holy See               |   |   |  |  |  |  |   | ●  | ○  | ○  | ○   | ○   |   |
| Italy                  | ●   | ○   | ○  | ●  | ○  | ●  |   | ●  | ○  | ●  | ○   | ●   |   |
| Malta                  | ○   | ○   | ○  | ●  | ○  | ●  |   | ●  | ●  | ●  | ○   | ○   |   |
| Montenegro             | ●   | ○   | ○  | ○  | ○  | ●  |   | ●  | ○  | ●  | ●   | ●   |   |
| Portugal               | ○   | ○   | ○  | ●  | ○  | ●  | ●   | ●  | ○  | ●  | ●   | ●   | ●   |
| San Marino             |   |   |  |  |  |  |   | ●  | ●  | ●  | ○   | ○   |   |
| Serbia                 | ●   | ●   | ○  | ●  | ○  | ●  |   | ●  | ●  | ●  | ●   | ●   |   |
| Slovenia               | ○   | ○   | ○  | ●  | ○  | ●  |   | ●  | ○  | ●  | ○   | ●   |   |
| Spain                  | ○   | ○   | ○  | ●  | ○  | ●  |   | ●  | ○  | ●  | ●   | ●   | ●   |
| TFYR Macedonia         | ●   | ○   | ○  | ●  | ○  | ●  | ○   | ●  | ○  | ●  | ●   | ○   | ●   |
| <b>Western Europe</b>  |   |   |  |  |  |  |   |  |  |  |   |   |   |

|  | Spatial distribution of population                    |   |  | Rural development  |  |  | Living conditions and sustainability of large urban centres                         |  |  |  |   |   |   |
|--|---|---|--|--|--|--|---|--|--|--|---|---|---|
|  | Reduce migration from rural areas to urban areas 2015 | Decentralize large urban centres to smaller urban, suburban or rural areas 2015 | Relocate out of environmentally fragile or threatened areas 2015 | Provide incentives to establish or retain industries in rural areas 2015 | Relocate industries from large urban centres to rural areas 2015 | Develop rural infrastructure and facilities 2015 | Promote rural development strategies to decrease push factors on urbanization 2012* | Increase energy efficiency in transport and housing 2015 | More stringent environmental regulations for industries within or surrounding large urban centres 2015 | Improve solid waste management system 2015 | Secure access to water and sanitation for urban poor 2015 | Secure land tenure and adequate housing for urban poor 2015 | Ensure land, housing, services and livelihood of urban poor 2012* |
| Austria                                | ○   | ○   | ○  | ●  | ○  | ●  |   | ●  | ●  | ●  | ○   | ○   |   |
| Belgium                                | ○   | ○   | ○  | ○  | ○  | ●  | ●   | ●  | ●  | ●  | ○   | ○   | ●   |
| France                                 | ●   | ○   | ○  | ●  | ○  | ●  |   | ●  | ○  | ●  | ○   | ●   |   |
| Germany                                | ●   | ●   | ○  | ●  | ○  | ●  |   | ●  | ○  | ●  | ○   | ●   |   |
| Liechtenstein                          | ○   | ○   | ○  |  |  |  |   | ●  | ○  | ○  | ○   | ○   |   |
| Luxembourg                             |   |   |  | ●  | ○  | ○  | ○   | ●  | ○  | ●  | ○   | ●   |   |
| Monaco                                 |   |   |  |  |  |  |   | ●  | ○  | ○  | ○   | ○   |   |
| Netherlands                            | ○   | ○   | ○  | ●  | ○  | ●  | ●   | ●  | ○  | ●  | ○   | ●   | ○   |
| Switzerland                            | ●   | ○   | ●  | ○  | ○  | ○  | ○   | ●  | ○  | ○  | ○   | ○   | ○   |
| <b>Latin America and the Caribbean</b> |   |   |  |  |  |  |   |  |  |  |   |   |   |
| <b>Caribbean</b>                       |   |   |  |  |  |  |   |  |  |  |   |   |   |
| Antigua and Barbuda                    | ○   | ●   | ○  | ○  | ○  | ●  | ○   | ●  | ○  | ●  | ●   | ●   | ●   |
| Bahamas                                | ●   | ○   | ○  | ●  | ○  | ●  |   | ●  | ○  | ●  | ●   | ○   |   |
| Barbados                               | ○   | ○   | ○  | ●  | ○  | ●  | ●   | ●  | ○  | ●  | ●   | ●   | ●   |
| Cuba                                   | ●   | ○   | ○  |  |  |  | ●   | ●  | ●  | ●  | ○   | ○   | ●   |
| Dominica                               | ●   | ○   | ○  | ●  | ○  | ●  | ●   | ○  | ○  | ●  | ●   | ●   | ●   |
| Dominican Republic                     | ●   | ●   | ●  | ●  | ○  | ●  | ●   | ●  | ○  | ●  | ●   | ●   | ●   |
| Grenada                                | ●   | ●   | ●  | ●  | ○  | ●  | ●   | ●  | ○  | ●  | ●   | ●   | ○   |
| Haiti                                  | ●   | ●   | ○  | ●  | ○  | ●  | ●   | ○  | ○  | ●  | ●   | ●   |   |
| Jamaica                                | ●   | ○   | ●  | ○  | ○  | ●  | ●   | ●  | ○  | ●  | ●   | ●   | ●   |
| Saint Kitts and Nevis                  |   |   |  | ●  | ○  | ●  | ●   | ●  | ○  | ○  | ○   | ●   | ●   |
| Saint Lucia                            | ●   | ○   | ○  | ●  | ○  | ●  |   | ●  | ○  | ○  | ●   | ●   | ●   |
| Saint Vincent and the Grenadines       | ●   | ○   | ○  | ○  | ○  | ●  | ●   | ●  | ○  | ●  | ●   | ●   | ●   |
| Trinidad and Tobago                    | ●   | ●   | ○  | ●  | ○  | ●  | ●   | ●  | ●  | ●  | ○   | ●   | ●   |
| <b>Central America</b>                 |   |   |  |  |  |  |   |  |  |  |   |   |   |
| Belize                                 | ●   | ○   | ○  | ●  | ○  | ●  | ○   | ●  | ○  | ●  | ○   | ●   | ●   |



|                                    | Spatial distribution of population                    |   |  | Rural development  |  |  | Living conditions and sustainability of large urban centres                         |  |  |  |   |   |   |
|------------------------------------|---|---|--|--|--|--|---|--|--|--|---|---|---|
|                                    | Reduce migration from rural areas to urban areas 2015 | Decentralize large urban centres to smaller urban, suburban or rural areas 2015 | Relocate out of environmentally fragile or threatened areas 2015 | Provide incentives to establish or retain industries in rural areas 2015 | Relocate industries from large urban centres to rural areas 2015 | Develop rural infrastructure and facilities 2015 | Promote rural development strategies to decrease push factors on urbanization 2012* | Increase energy efficiency in transport and housing 2015 | More stringent environmental regulations for industries within or surrounding large urban centres 2015 | Improve solid waste management system 2015 | Secure access to water and sanitation for urban poor 2015 | Secure land tenure and adequate housing for urban poor 2015 | Ensure land, housing, services and livelihood of urban poor 2012* |
| Costa Rica                         | ●   | ○   | ●  | ○  | ○  | ●  | ●   | ○  | ○  | ○  | ●   | ●   | ●   |
| El Salvador                        | ●   | ○   | ●  | ●  | ○  | ●  | ○   | ○  | ○  | ●  | ●   | ●   | ●   |
| Guatemala                          | ●   | ●   | ●  | ●  | ○  | ●  | ●   | ●  | ○  | ●  | ●   | ●   | ●   |
| Honduras                           | ●   | ●   | ○  | ●  | ○  | ●  | ●   | ●  | ○  | ●  | ●   | ●   | ●   |
| Mexico                             | ○   | ○   | ●  | ●  | ○  | ●  | ●   | ●  | ○  | ○  | ●   | ○   | ●   |
| Nicaragua                          | ○   | ○   | ○  | ●  | ○  | ●  |   | ●  | ○  | ●  | ●   | ●   |   |
| Panama                             | ○   | ○   | ○  | ○  | ○  | ●  | ●   | ○  | ○  | ●  | ●   | ●   | ●   |
| <b>South America</b>               |   |   |  |  |  |  |   |  |  |  |   |   |   |
| Argentina                          | ●   | ○   | ○  | ●  | ●  | ●  | ●   | ●  | ●  | ●  | ●   | ●   | ●   |
| Bolivia (Plurinational State of)   | ●   | ○   | ●  | ●  | ○  | ●  | ●   | ●  | ○  | ●  | ●   | ●   | ●   |
| Brazil                             | ●   | ●   | ●  | ●  | ○  | ●  | ●   | ●  | ○  | ●  | ●   | ●   | ●   |
| Chile                              | ○   | ○   | ○  | ○  | ○  | ●  | ○   | ●  | ●  | ●  | ●   | ●   | ●   |
| Colombia                           | ○   | ○   | ○  | ○  | ○  | ●  | ○   | ●  | ●  | ●  | ●   | ●   | ●   |
| Ecuador                            | ●   | ●   | ●  | ●  | ○  | ●  | ●   | ○  | ○  | ●  | ●   | ●   | ●   |
| Guyana                             | ●   | ○   | ○  | ●  | ○  | ●  | ●   | ●  | ○  | ●  | ●   | ●   | ●   |
| Paraguay                           | ●   | ○   | ○  | ○  | ○  | ●  | ●   | ●  | ●  | ●  | ●   | ●   | ●   |
| Peru                               | ○   | ●   | ●  | ●  | ○  | ●  | ●   | ●  | ●  | ●  | ●   | ●   | ●   |
| Suriname                           | ●   | ○   | ●  | ○  | ○  | ●  | ○   | ○  | ○  | ○  | ●   | ●   | ○   |
| Uruguay                            | ○   | ○   | ○  | ○  | ○  | ●  | ●   | ●  | ●  | ●  | ●   | ●   | ●   |
| Venezuela (Bolivarian Republic of) | ●   | ●   | ○  | ●  | ○  | ●  | ○   | ●  | ○  | ●  | ●   | ●   | ●   |
| <b>Northern America</b>            |   |   |  |  |  |  |   |  |  |  |   |   |   |
| Canada                             | ●   | ○   | ○  | ●  | ○  | ●  |   | ●  | ○  | ●  | ○   | ●   |   |
| United States of America           | ●   | ○   | ○  | ●  | ○  | ●  | ●   | ●  | ●  | ●  | ○   | ●   | ●   |
| <b>Oceania</b>                     |   |   |  |  |  |  |   |  |  |  |   |   |   |
| <b>Australia/New Zealand</b>       |   |   |  |  |  |  |   |  |  |  |   |   |   |

|                                  | Spatial distribution of population                    |   |  | Rural development  |  |  |   | Living conditions and sustainability of large urban centres |  |  |   |   |   |
|----------------------------------|---|---|--|--|--|--|---|---|--|--|---|---|---|
|                                  | Reduce migration from rural areas to urban areas 2015 | Decentralize large urban centres to smaller urban, suburban or rural areas 2015 | Relocate out of environmentally fragile or threatened areas 2015 | Provide incentives to establish or retain industries in rural areas 2015 | Relocate industries from large urban centres to rural areas 2015 | Develop rural infrastructure and facilities 2015 | Promote rural development strategies to decrease push factors on urbanization 2012* | Increase energy efficiency in transport and housing 2015    | More stringent environmental regulations for industries within or surrounding large urban centres 2015 | Improve solid waste management system 2015 | Secure access to water and sanitation for urban poor 2015 | Secure land tenure and adequate housing for urban poor 2015 | Ensure land, housing, services and livelihood of urban poor 2012* |
| Australia                        | ●   | ●   | ○  | ●  | ○  | ●  | ●   | ●   | ●  | ●  | ●   | ●   | ●   |
| New Zealand                      | ○   | ○   | ○  | ●  | ○  | ●  |   | ●   | ○  | ●  | ○   | ●   |   |
| <b>Melanesia</b>                 |   |   |  |  |  |  |   |   |  |  |   |   |   |
| Fiji                             | ●   | ○   | ●  | ●  | ○  | ●  | ●   | ●   | ○  | ●  | ●   | ●   | ●   |
| Papua New Guinea                 | ●   | ○   | ●  | ●  | ○  | ●  | ●   | ○   | ○  | ○  | ●   | ●   | ●   |
| Solomon Islands                  | ●   | ○   | ●  | ●  | ○  | ●  | ●   | ●   | ○  | ●  | ●   | ●   | ●   |
| Vanuatu                          | ●   | ○   | ●  | ●  | ○  | ●  | ●   | ●   | ○  | ●  | ●   | ○   | ●   |
| <b>Micronesia</b>                |   |   |  |  |  |  |   |   |  |  |   |   |   |
| Kiribati                         | ●   | ○   | ●  | ○  | ○  | ●  | ○   | ●   | ○  | ●  | ●   | ●   | ●   |
| Marshall Islands                 | ●   | ○   | ○  | ●  | ○  | ●  | ○   | ●   | ○  | ●  | ●   | ○   | ○   |
| Micronesia (Federated States of) | ●   | ○   | ●  | ●  | ○  | ●  | ●   |   |  |  |   |   | ○   |
| Nauru                            |   |   |  |  |  |  | ○   | ○   | ○  | ○  | ●   | ○   | ○   |
| Palau                            | ○   | ○   | ○  | ○  | ○  | ●  | ○   | ●   | ○  | ●  | ●   | ○   | ○   |
| <b>Polynesia</b>                 |   |   |  |  |  |  |   |   |  |  |   |   |   |
| Cook Islands                     | ●   | ○   | ○  | ○  | ○  | ●  |   |   |  |  |   |   |   |
| Niue                             |   |   |  |  |  |  |   | ○   | ○  | ●  | ○   | ○   |   |
| Samoa                            | ●   | ○   | ●  | ●  | ○  | ●  | ●   | ●   | ○  | ●  | ●   | ○   | ○   |
| Tonga                            | ●   | ○   | ●  | ○  | ○  | ●  |   | ○   | ○  | ●  | ○   | ○   |   |
| Tuvalu                           | ●   | ○   | ●  | ●  | ○  | ●  | ○   | ○   | ○  | ●  | ●   | ●   | ●   |

**Notes:**

A black dot ● indicates that the policy, strategy or measure was adopted in the past five years.

A white dot ○ indicates that the policy, strategy or measure was not adopted in the past five years.

A blank cell indicates that data were not available or not applicable.

\* Refers to five years preceding 2012.

### **Definitions of polices, strategies and measures:**

**Reduce migration from rural areas to urban areas<sup>i</sup>:** Indicates whether the Government has adopted policies or strategies in the past five years to reduce migration from rural areas to urban areas.

**Decentralize large urban centres to smaller urban, suburban or rural areas<sup>i</sup>:** Indicates whether the Government has adopted policies or strategies in the past five years to decentralize large urban centres to smaller urban, suburban or rural areas.

**Relocate out of environmentally fragile or threatened areas<sup>i</sup>:** Indicates whether the Government has adopted policies or strategies in the past five years to relocate inhabitants out of environmentally fragile or threatened areas.

**Provide incentives to establish or retain industries in rural areas<sup>i</sup>:** Indicates whether the Government has adopted policies or strategies in the past five years to promote rural development by providing incentives to establish or retain industries in rural areas.

**Relocate industries from large urban centres to rural areas<sup>i</sup>:** Indicates whether the Government has adopted policies or strategies in the past five years to promote rural development by relocating industries from urban centres to rural areas.

**Develop rural infrastructure and facilities<sup>i</sup>:** Indicates whether the Government has adopted specific policies or strategies in the past five years to promote rural development by developing rural infrastructure and facilities.

**Promote rural development strategies to decrease push factors on urbanization<sup>ii</sup>:** Indicates whether the Government has implemented concrete measures in the past five years to promote rural development strategies to decrease push factors on urbanization.

**Increase energy efficiency in transport and housing<sup>i</sup>:** Indicates whether the Government has adopted policies or strategies in the past five years to improve the living conditions and sustainability of urban centres by increasing energy efficiency in transport and housing.

**More stringent environmental regulations for industries within or surrounding large urban centres<sup>i</sup>:** Indicates whether the Government has adopted policies or strategies in the past five years to improve the living conditions and sustainability of urban centres by enacting more stringent environmental regulations for industries within or surrounding large urban centres.

**Improve solid waste management system<sup>i</sup>:** Indicates whether the Government has adopted policies or strategies in the past five years to improve the living conditions and sustainability of urban centres by improving solid waste management system.

**Secure access to water and sanitation for urban poor<sup>i</sup>:** Indicates whether the Government has adopted policies or strategies in the past five years to improve the living conditions and sustainability of urban centres by securing access to water and sanitation for urban poor.

**Secure land tenure and adequate housing for urban poor<sup>i</sup>:** Indicates whether the Government has adopted policies or strategies in the past five years to improve the living conditions and sustainability of urban centres by securing land tenure and adequate housing for urban poor.

**Ensure land, housing, services and livelihood of urban poor<sup>ii</sup>:** Indicates whether the Government has implemented concrete measures in the past five years to ensure land, housing, services and livelihood of urban poor.

<sup>i</sup>United Nations, Department of Economic and Social Affairs, Population Division (2016). World Population Policies Database: The 2015 Revision. Available from [http://esa.un.org/poppolicy/about\\_database.aspx](http://esa.un.org/poppolicy/about_database.aspx).

<sup>ii</sup>United Nations Population Fund (2012). ICPD Beyond 2014 Global Survey Database.

**Table 2**  
**Indicators related to spatial distribution, urbanization and measures to improve living conditions and sustainability of large urban centres**

|                                  | Population density (persons per square kilometre) | Urban population (% of total population) | Rural population growth (annual growth rate in %) | Urban population growth (annual growth rate in %) | Urban population residing in urban agglomerations with 1 million inhabitants or more (%) | Urban population living in slums (%) | Urban population with access to improved water source (%) | Urban population with access to improved sanitation facilities (%) | Municipal solid waste collection rate (%) latest year available | Road density (kilometres per 100 square kilometres) | Energy use (kilograms of oil equivalent per capita) | Carbon dioxide emissions from transport and residential sectors (kilograms of CO <sub>2</sub> per capita) |
|----------------------------------|---|--|---|---|--|--------------------------------------|---|--|---|---|---|---|
|                                  | 2015  | 2015                                     | 2010-2015   | 2010-2015   | 2015   | 2014*                                | 2015*   | 2015*  |   | 2009*   | 2012*   | 2013*   |
| <b>World</b>                     | ...   | <b>54</b>                                | <b>0.13</b>                                       | <b>2.05</b>                                       | <b>41</b>  | <b>30</b>                            | <b>97</b>   | <b>82</b>  | ...   | <b>85</b>   | <b>1 889</b>  | <b>1 173</b>  |
| <b>More developed regions</b>    | ...   | <b>78</b>                                | <b>-0.74</b>                                      | <b>0.60</b>                                       | <b>39</b>  | ...                                  | <b>99</b>   | <b>97</b>  | ...   | <b>110</b>  | <b>4 543</b>  | <b>3 508</b>  |
| <b>Less developed regions</b>    | ...   | <b>49</b>                                | <b>0.21</b>                                       | <b>2.56</b>                                       | <b>42</b>  | <b>26</b>                            | <b>97</b>   | <b>80</b>  | ...   | <b>61</b>   | <b>1 417</b>  | <b>731</b>  |
| <b>Least developed countries</b> | ...   | <b>31</b>                                | <b>1.55</b>                                       | <b>3.97</b>                                       | <b>37</b>  | <b>63</b>                            | <b>86</b>   | <b>47</b>  | ...   | <b>42</b>   | <b>351</b>  | <b>127</b>  |
| <b>Africa</b>                    | ...   | <b>40</b>                                | <b>1.76</b>                                       | <b>3.55</b>                                       | <b>37</b>  | <b>49</b>                            | <b>89</b>   | <b>51</b>  | ...   | <b>21</b>   | <b>752</b>  | <b>374</b>  |
| <b>Eastern Africa</b>            | ...   | <b>26</b>                                | <b>2.29</b>                                       | <b>4.51</b>                                       | <b>26</b>  | <b>63</b>                            | <b>86</b>   | <b>35</b>  | ...   | <b>28</b>   | ...   | ...   |
| Burundi                          | 421   | 12                                       | 2.84  | 5.66  | 0  | 58                                   | 91  | 44   | ...   | 48  | ...   | ...   |
| Comoros                          | 414   | 28                                       | 2.29  | 2.67  | 0  | 70                                   | 93  | 48   | 20  | ...   | ...   | ...   |
| Djibouti                         | 39  | 77                                       | 1.21  | 1.60  | 0  | 66                                   | 97  | 60   | ...   | ...   | ...   | ...   |
| Eritrea                          | 67  | 23                                       | 2.67  | 5.11  | 0  | ...                                  | 73  | 45   | ...   | 4   | 163   | 34  |
| Ethiopia                         | 99  | 19                                       | 2.02  | 4.89  | 17   | 74                                   | 93  | 27   | ...   | 4   | 493   | 51  |
| Kenya                            | 82  | 26                                       | 2.12  | 4.34  | 42   | 56                                   | 82  | 31   | ...   | 11  | 483   | 150   |
| Madagascar                       | 42  | 35                                       | 1.83  | 4.69  | 31   | 77                                   | 82  | 18   | 18  | 14  | ...   | ...   |
| Malawi                           | 184   | 16                                       | 2.67  | 3.77  | 0  | 67                                   | 96  | 47   | ...   | 53  | ...   | ...   |
| Mauritius                        | 618   | 40                                       | 0.67  | -0.08   | 0  | ...                                  | 100   | 94   | 98  | 545   | 1 068   | 889   |
| Mozambique                       | 34  | 32                                       | 2.11  | 3.27  | 14   | 80                                   | 81  | 42   | ...   | 4   | 406   | 82  |
| Rwanda                           | 504   | 29                                       | 1.42  | 6.43  | 35   | 53                                   | 87  | 59   | ...   | 57  | ...   | ...   |
| Seychelles                       | 206   | 54                                       | -0.12   | 1.14  | 0  | ...                                  | 96  | 98   | 95  | ...   | ...   | ...   |
| Somalia                          | 18  | 40                                       | 2.12  | 4.06  | 49   | 74                                   | ...   | ...  | ...   | 4   | ...   | ...   |
| South Sudan                      | ...   | 19                                       | 3.78  | 5.05  | 0  | 96                                   | 67  | 16   | ...   | ...   | ...   | 86  |
| Uganda                           | 204   | 16                                       | 2.95  | 5.43  | 30   | 54                                   | 96  | 29   | 39  | 35  | ...   | ...   |
| United Republic of Tanzania      | 59  | 32                                       | 2.02  | 5.36  | 31   | 51                                   | 77  | 31   | 48  | 12  | 456   | 119   |
| Zambia                           | 21  | 41                                       | 2.48  | 4.32  | 34   | 54                                   | 86  | 56   | 20  | 9   | 614   | 69  |
| Zimbabwe                         | 39  | 32                                       | 3.05  | 2.30  | 31   | 25                                   | 97  | 49   | ...   | 25  | 658   | 206   |

|                                  | Population density<br>(persons per square kilometre) | Urban population<br>(% of total population) | Rural population growth<br>(annual growth rate in %) | Urban population growth<br>(annual growth rate in %) | Urban population residing in urban agglomerations with 1 million inhabitants or more<br>(%) | Urban population living in slums<br>(%) | Urban population with access to improved water source<br>(%) | Urban population with access to improved sanitation facilities<br>(%) | Municipal solid waste collection rate<br>(%)<br>latest year available | Road density<br>(kilometres per 100 square kilometres) | Energy use<br>(kilograms of oil equivalent per capita) | Carbon dioxide emissions from transport and residential sectors<br>(kilograms of CO <sub>2</sub> per capita) |
|----------------------------------|--|---|--|--|---|---|--|---|---|--|--|--|
|                                  | 2015   | 2015  | 2010-2015  | 2010-2015  | 2015  | 2014*                                   | 2015*  | 2015*   |   | 2009*  | 2012*  | 2013*  |
| <b>Middle Africa</b>             | ...  | <b>44</b>                                   | <b>1.86</b>  | <b>3.90</b>  | <b>54</b>   | <b>63</b>                               | <b>84</b>  | <b>46</b>   | ...   | <b>5</b>   | <b>380</b>   | <b>162</b>   |
| Angola                           | 18   | 44  | 1.73   | 4.97   | 67  | 56                                      | 75   | 89  | ...   | 4  | 630  | 490  |
| Cameroon                         | 50   | 54  | 1.30   | 3.60   | 47  | 38                                      | 95   | 62  | ...   | 6  | 323  | 155  |
| Central African Republic         | 8  | 40  | 1.58   | 2.59   | 0   | 93                                      | 90   | 44  | ...   | 4  | ...  | ...  |
| Chad                             | 11   | 22  | 2.86   | 3.42   | 41  | 88                                      | 72   | 31  | ...   | 3  | ...  | ...  |
| Congo                            | 14   | 65  | 1.35   | 3.22   | 62  | 47                                      | 96   | 20  | ...   | 5  | 400  | 414  |
| Democratic Republic of the Congo | 31   | 42  | 1.85   | 3.96   | 59  | 75                                      | 81   | 29  | ...   | 7  | 292  | 36   |
| Equatorial Guinea                | 28   | 40  | 2.53   | 3.12   | 0   | 66                                      | 73   | 80  | ...   | ...  | ...  | ...  |
| Gabon                            | 7  | 87  | 0.21   | 2.70   | 0   | 37                                      | 97   | 43  | ...   | 4  | 1 371  | 429  |
| São Tomé and Príncipe            | 211  | 65  | 0.83   | 3.58   | 0   | 87                                      | 99   | 41  | ...   | ...  | ...  | ...  |
| <b>Northern Africa</b>           | ...  | <b>52</b>                                   | <b>1.21</b>  | <b>2.12</b>  | <b>38</b>   | <b>25</b>                               | <b>95</b>  | <b>92</b>   | ...   | <b>8</b>   | <b>869</b>   | <b>832</b>   |
| Algeria                          | 17   | 71  | -0.24  | 2.77   | 9   | ...                                     | 84   | 90  | 92  | 5  | 1 237  | 1 413  |
| Egypt                            | 85   | 43  | 1.59   | 1.68   | 64  | 11                                      | 100  | 97  | 30-95   | 10   | 913  | 740  |
| Libya                            | 4  | 79  | 0.06   | 1.13   | 23  | ...                                     | ...  | 97  | ...   | 1  | 2 729  | 3 824  |
| Morocco                          | 76   | 60  | 0.19   | 2.26   | 38  | 13                                      | 99   | 84  | 72-100  | 13   | 570  | 576  |
| Sudan                            | 17   | 34  | 1.89   | 2.54   | 38  | 92                                      | ...  | ...   | ...   | 1  | 342  | 232  |
| Tunisia                          | 72   | 67  | 0.56   | 1.38   | 27  | 8                                       | 100  | 97  | 95  | 12   | 918  | 724  |
| <b>Southern Africa</b>           | ...  | <b>62</b>                                   | <b>-0.41</b>   | <b>1.67</b>  | <b>54</b>   | <b>24</b>                               | <b>100</b>   | <b>69</b>   | ...   | <b>26</b>  | <b>2 534</b>   | <b>1 312</b>   |
| Botswana                         | 4  | 57  | 0.30   | 1.29   | 0   | ...                                     | 99   | 79  | ...   | 5  | 1 015  | 1 193  |
| Lesotho                          | 70   | 27  | 0.39   | 3.05   | 0   | 51                                      | 95   | 37  | ...   | 20   | ...  | ...  |
| Namibia                          | 3  | 47  | 0.06   | 4.16   | 0   | 33                                      | 98   | 55  | ...   | 5  | 706  | 813  |
| South Africa                     | 44   | 65  | -0.64  | 1.59   | 59  | 23                                      | 100  | 70  | ...   | 30   | 2 675  | 1 339  |
| Swaziland                        | 75   | 21  | 1.54   | 1.32   | 0   | 33                                      | 94   | 63  | ...   | 21   | ...  | ...  |

|                                       | Population density<br>(persons per square kilometre) | Urban population<br>(% of total population) | Rural population growth<br>(annual growth rate in %) | Urban population growth<br>(annual growth rate in %) | Urban population residing in urban agglomerations with 1 million inhabitants or more<br>(%) | Urban population living in slums<br>(%) | Urban population with access to improved water source<br>(%) | Urban population with access to improved sanitation facilities<br>(%) | Municipal solid waste collection rate<br>(%)<br>latest year available | Road density<br>(kilometres per 100 square kilometres) | Energy use<br>(kilograms of oil equivalent per capita) | Carbon dioxide emissions from transport and residential sectors<br>(kilograms of CO <sub>2</sub> per capita) |
|---------------------------------------|--|---|--|--|---|---|--|---|---|--|--|--|
|                                       | 2015   | 2015  | 2010-2015  | 2010-2015  | 2015  | 2014*                                   | 2015*  | 2015*   |   | 2009*  | 2012*  | 2013*  |
| <b>Western Africa</b>                 | ...  | <b>45</b>                                   | <b>1.51</b>  | <b>4.34</b>  | <b>33</b>   | <b>52</b>                               | <b>86</b>  | <b>34</b>   | ...   | <b>26</b>  | ...  | ...  |
| Benin                                 | 98   | 44  | 1.96   | 3.67   | 0   | 62                                      | 85   | 36  | 23  | 17   | 390  | 477  |
| Burkina Faso                          | 65   | 30  | 1.68   | 5.87   | 51  | 66                                      | 98   | 50  | ...   | 34   | ...  | ...  |
| Cabo Verde                            | 126  | 66  | -1.20  | 1.99   | 0   | ...                                     | 94   | 82  | ...   | ...  | ...  | ...  |
| Côte d'Ivoire                         | 67   | 54  | 0.78   | 3.69   | 42  | 56                                      | 93   | 33  | ...   | 26   | 597  | 147  |
| Gambia                                | 197  | 60  | 1.59   | 4.33   | 0   | 35                                      | 94   | 62  | ...   | 37   | ...  | ...  |
| Ghana                                 | 119  | 54  | 0.73   | 3.40   | 33  | 38                                      | 93   | 20  | 85  | 48   | 397  | 303  |
| Guinea                                | 50   | 37  | 1.82   | 3.82   | 42  | 43                                      | 93   | 34  | ...   | 18   | ...  | ...  |
| Guinea-Bissau                         | 64   | 49  | 0.83   | 4.13   | 0   | 82                                      | 99   | 34  | ...   | 12   | ...  | ...  |
| Liberia                               | 47   | 50  | 1.84   | 3.36   | 56  | 66                                      | 89   | 28  | ...   | ...  | ...  | ...  |
| Mali                                  | 13   | 40  | 1.75   | 5.08   | 39  | 56                                      | 97   | 38  | 40  | 1  | ...  | ...  |
| Mauritania                            | 4  | 60  | 0.93   | 3.54   | 0   | 80                                      | 58   | 58  | ...   | 2  | ...  | ...  |
| Niger                                 | 15   | 19  | 3.56   | 5.14   | 30  | 70                                      | 100  | 38  | ...   | 1  | ...  | 65   |
| Nigeria                               | 202  | 48  | 1.20   | 4.66   | 32  | 50                                      | 81   | 33  | ...   | 21   | 795  | 147  |
| Senegal                               | 78   | 44  | 2.37   | 3.59   | 54  | 39                                      | 93   | 65  | 21  | 8  | 300  | 186  |
| Sierra Leone                          | 88   | 40  | 1.32   | 2.75   | 40  | 76                                      | 85   | 23  | 33-55   | 16   | ...  | ...  |
| Togo                                  | 132  | 40  | 1.78   | 3.83   | 0   | 51                                      | 91   | 25  | ...   | 21   | 463  | 220  |
| <b>Asia</b>                           | ...  | <b>48</b>                                   | <b>-0.25</b>   | <b>2.50</b>  | <b>43</b>   | ...                                     | <b>97</b>  | <b>82</b>   | ...   | <b>102</b>   | <b>1 467</b>   | <b>698</b>   |
| <b>Eastern Asia</b>                   | ...  | <b>60</b>                                   | <b>-2.10</b>   | <b>2.53</b>  | <b>46</b>   | ...                                     | <b>98</b>  | <b>89</b>   | ...   | <b>108</b>   | <b>2 330</b>   | <b>946</b>   |
| China                                 | 150  | 56  | -2.08  | 3.05   | 43  | 25                                      | 98   | 87  | ...   | 41   | 2 143  | 797  |
| Democratic People's Republic of Korea | 209  | 61  | 0.19   | 0.75   | 19  | ...                                     | 100  | 88  | ...   | 21   | 569  | 59   |
| Japan                                 | 348  | 93  | -7.62  | 0.56   | 70  | ...                                     | 100  | 100   | 100   | 331  | 3 546  | 2 115  |
| Mongolia                              | 2  | 72  | -1.47  | 2.78   | 65  | 43                                      | 66   | 66  | ...   | 3  | 1 404  | 1 262  |
| Republic of Korea                     | 504  | 82  | -0.08  | 0.66   | 59  | ...                                     | 100  | 100   | 99  | 108  | 5 268  | 2 470  |
| <b>South-central Asia</b>             | ...  | <b>35</b>                                   | <b>0.69</b>  | <b>2.47</b>  | <b>44</b>   | ...                                     | <b>96</b>  | <b>68</b>   | ...   | <b>123</b>   | <b>729</b>   | <b>380</b>   |

|                                  | Population density<br>(persons per square kilometre) | Urban population<br>(% of total population) | Rural population growth<br>(annual growth rate in %) | Urban population growth<br>(annual growth rate in %) | Urban population residing in urban agglomerations with 1 million inhabitants or more<br>(%) | Urban population living in slums<br>(%) | Urban population with access to improved water source<br>(%) | Urban population with access to improved sanitation facilities<br>(%) | Municipal solid waste collection rate<br>(%) | Road density<br>(kilometres per 100 square kilometres) | Energy use<br>(kilograms of oil equivalent per capita) | Carbon dioxide emissions from transport and residential sectors<br>(kilograms of CO <sub>2</sub> per capita) |
|----------------------------------|--|---|--|--|---|---|--|---|--|--|--|--|
|                                  | 2015   | 2015  | 2010-2015  | 2010-2015  | 2015  | 2014*                                   | 2015*  | 2015*   | latest year available                        | 2009*  | 2012*  | 2013*  |
| Afghanistan                      | 49   | 27  | 1.85   | 3.96   | 54  | ...                                     | 78   | 45  | ...  | 6  | ...  | ...  |
| Bangladesh                       | 1 232  | 34  | 0.06   | 3.55   | 42  | 55                                      | 87   | 58  | ...  | 184  | 214  | 91   |
| Bhutan                           | 17   | 39  | 0.38   | 3.69   | 0   | ...                                     | 100  | 78  | ...  | ...  | ...  | ...  |
| India                            | 431  | 33  | 0.70   | 2.38   | 46  | 24                                      | 97   | 63  | ...  | 138  | 624  | 248  |
| Iran (Islamic Republic of)       | 49   | 73  | -0.66  | 2.07   | 36  | ...                                     | 98   | 93  | ...  | 12   | 2 883  | 2 859  |
| Kazakhstan                       | 6  | 53  | 1.25   | 0.86   | 17  | ...                                     | 99   | 97  | ...  | 4  | 4 458  | 1 456  |
| Kyrgyzstan                       | 30   | 36  | 1.23   | 1.58   | 0   | ...                                     | 97   | 89  | ...  | 18   | 737  | 751  |
| Maldives                         | 1 201  | 46  | -0.05  | 4.49   | 0   | ...                                     | 100  | 98  | ...  | ...  | ...  | ...  |
| Nepal                            | 199  | 19  | 0.72   | 3.18   | 22  | 54                                      | 91   | 56  | 94   | 14   | 367  | 96   |
| Pakistan                         | 244  | 39  | 0.97   | 2.81   | 57  | 46                                      | 94   | 83  | ...  | 34   | 483  | 296  |
| Sri Lanka                        | 334  | 18  | 0.80   | 0.84   | 0   | ...                                     | 99   | 88  | ...  | 155  | 554  | 399  |
| Tajikistan                       | 62   | 27  | 2.35   | 2.62   | 0   | ...                                     | 93   | 94  | ...  | 20   | 286  | 40   |
| Turkmenistan                     | 11   | 50  | 0.63   | 1.94   | 0   | ...                                     | ...  | ...   | ...  | 5  | 4 943  | 1 699  |
| Uzbekistan                       | 70   | 36  | 1.30   | 1.45   | 21  | ...                                     | 99   | 100   | ...  | 19   | 1 622  | 1 119  |
| <b>South-eastern Asia</b>        | ...  | <b>48</b>                                   | <b>0.01</b>  | <b>2.53</b>  | <b>29</b>   | <b>27</b>                               | <b>95</b>  | <b>81</b>   | ...  | <b>38</b>  | <b>960</b>   | <b>597</b>   |
| Brunei Darussalam                | 81   | 77  | -0.08  | 1.79   | 0   | ...                                     | ...  | ...   | ...  | ...  | 9 526  | 3 398  |
| Cambodia                         | 89   | 21  | 1.52   | 2.65   | 53  | 55                                      | 100  | 88  | 75   | 22   | 370  | 255  |
| Indonesia                        | 141  | 54  | -0.37  | 2.69   | 20  | 22                                      | 94   | 72  | 80   | 26   | 861  | 617  |
| Lao People's Democratic Republic | 30   | 39  | 0.15   | 4.93   | 0   | 31                                      | 86   | 95  | ...  | 17   | ...  | ...  |
| Malaysia                         | 93   | 75  | -1.18  | 2.66   | 30  | ...                                     | 100  | 96  | ...  | 30   | 2 799  | 1 974  |
| Myanmar                          | 82   | 34  | 0.04   | 2.49   | 38  | 41                                      | 93   | 84  | ...  | 4  | 291  | 74   |
| Philippines                      | 341  | 44  | 2.03   | 1.32   | 32  | 38                                      | 94   | 78  | ...  | 67   | 443  | 284  |
| Singapore                        | 8 227  | 100   | 0.00   | 2.02   | 100   | ...                                     | 100  | 100   | 100  | 479  | 4 716  | 1 427  |
| Thailand                         | 132  | 50  | -2.09  | 2.97   | 33  | 25                                      | 98   | 90  | ...  | 35   | 1 884  | 1 008  |
| Timor-Leste                      | 79   | 33  | 0.71   | 3.75   | 0   | ...                                     | 95   | 69  | ...  | ...  | ...  | ...  |
| Viet Nam                         | 301  | 34  | 0.01   | 2.95   | 42  | 27                                      | 99   | 94  | ...  | 52   | 731  | 424  |

|                       | Population density<br>(persons per square kilometre) | Urban population<br>(% of total population) | Rural population growth<br>(annual growth rate in %) | Urban population growth<br>(annual growth rate in %) | Urban population residing in urban agglomerations with 1 million inhabitants or more<br>(%) | Urban population living in slums<br>(%) | Urban population with access to improved water source<br>(%) | Urban population with access to improved sanitation facilities<br>(%) | Municipal solid waste collection rate<br>(%)<br>latest year available | Road density<br>(kilometres per 100 square kilometres) | Energy use<br>(kilograms of oil equivalent per capita) | Carbon dioxide emissions from transport and residential sectors<br>(kilograms of CO <sub>2</sub> per capita) |
|-----------------------|--|---|--|--|---|---|--|---|---|--|--|--|
|                       | 2015   | 2015  | 2010-2015  | 2010-2015  | 2015  | 2014*                                   | 2015*  | 2015*   |   | 2009*  | 2012*  | 2013*  |
| <b>Western Asia</b>   | ...  | <b>70</b>                                   | <b>0.66</b>  | <b>2.42</b>  | <b>49</b>   | ...                                     | <b>98</b>  | <b>96</b>   | ...   | <b>36</b>  | <b>2 623</b>   | <b>1 722</b>   |
| Armenia               | 106  | 63  | 0.67   | -0.11  | 56  | 14                                      | 100  | 96  | 80  | 27   | 997  | 814  |
| Azerbaijan            | 116  | 55  | 0.58   | 1.56   | 45  | ...                                     | 95   | 92  | ...   | 64   | 1 473  | 1 271  |
| Bahrain               | 1 959  | 89  | 1.24   | 1.71   | 0   | ...                                     | 100  | 99  | ...   | 537  | 9 450  | 2 665  |
| Cyprus                | 126  | 67  | 1.46   | 0.89   | 0   | ...                                     | 100  | 100   | ...   | 134  | 1 971  | 2 453  |
| Georgia               | 62   | 54  | -0.72  | -0.10  | 50  | ...                                     | 100  | 95  | 60  | 29   | 825  | 877  |
| Iraq                  | 82   | 69  | 2.60   | 3.01   | 46  | 47                                      | 94   | 86  | 56  | 9  | 1 374  | 1 409  |
| Israel                | 366  | 92  | 0.51   | 1.37   | 64  | ...                                     | 100  | 100   | ...   | 85   | 3 069  | 1 864  |
| Jordan                | 87   | 84  | 2.08   | 3.79   | 18  | 13                                      | 98   | 99  | 95+   | 9  | 1 207  | 1 294  |
| Kuwait                | 201  | 98  | 2.69   | 3.63   | 79  | ...                                     | 99   | 100   | ...   | 37   | 10 121   | 3 969  |
| Lebanon               | 494  | 88  | 2.07   | 3.18   | 50  | ...                                     | 99   | 81  | 100   | 68   | 1 616  | 1 521  |
| Oman                  | 13   | 78  | 5.78   | 8.54   | 0   | ...                                     | 96   | 97  | ...   | 18   | 7 424  | 3 506  |
| Qatar                 | 214  | 99  | -5.63  | 6.02   | 0   | ...                                     | 100  | 98  | ...   | 67   | 18 814   | 5 571  |
| Saudi Arabia          | 15   | 83  | 0.65   | 2.10   | 59  | ...                                     | 97   | 100   | ...   | 10   | 6 789  | 4 467  |
| State of Palestine    | 756  | 75  | 1.62   | 2.81   | 0   | ...                                     | ...  | ...   | ...   | ...  | ...  | ...  |
| Syrian Arab Republic  | 121  | 58  | -0.24  | 1.37   | 70  | 19                                      | 92   | 96  | 80  | 37   | 701  | 516  |
| Turkey                | 100  | 73  | -0.70  | 1.97   | 52  | 12                                      | 100  | 98  | 77  | 47   | 1 578  | 1 141  |
| United Arab Emirates  | 115  | 86  | 0.57   | 2.87   | 59  | ...                                     | 100  | 98  | ...   | 5  | 7 536  | 3 465  |
| Yemen                 | 48   | 35  | 1.44   | 4.03   | 34  | 61                                      | ...  | ...   | ...   | 14   | 278  | 465  |
| <b>Europe</b>         | ...  | <b>74</b>                                   | <b>-0.63</b>   | <b>0.33</b>  | <b>24</b>   | ...                                     | <b>99</b>  | <b>94</b>   | ...   | <b>137</b>   | <b>3 585</b>   | <b>2 358</b>   |
| <b>Eastern Europe</b> | ...  | <b>69</b>                                   | <b>-0.56</b>   | <b>-0.11</b>   | <b>22</b>   | ...                                     | <b>99</b>  | <b>86</b>   | ...   | <b>67</b>  | <b>3 908</b>   | <b>1 978</b>   |
| Belarus               | 45   | 77  | -2.18  | 0.05   | 27  | ...                                     | 100  | 94  | 100   | 47   | 3 223  | 1 820  |
| Bulgaria              | 65   | 74  | -1.99  | -0.31  | 23  | ...                                     | 100  | 87  | 81  | 37   | 2 511  | 1 132  |
| Czechia               | 139  | 73  | 0.61   | 0.35   | 17  | ...                                     | 100  | 99  | 100   | 169  | 4 057  | 2 254  |
| Hungary               | 111  | 71  | -1.79  | 0.47   | 24  | ...                                     | 100  | 98  | 90  | 218  | 2 366  | 1 659  |



|                        | Population density<br>(persons per square kilometre) | Urban population<br>(% of total population) | Rural population growth<br>(annual growth rate in %) | Urban population growth<br>(annual growth rate in %) | Urban population residing in urban agglomerations with 1 million inhabitants or more<br>(%) | Urban population living in slums<br>(%) | Urban population with access to improved water source<br>(%) | Urban population with access to improved sanitation facilities<br>(%) | Municipal solid waste collection rate<br>(%) | Road density<br>(kilometres per 100 square kilometres) | Energy use<br>(kilograms of oil equivalent per capita) | Carbon dioxide emissions from transport and residential sectors<br>(kilograms of CO <sub>2</sub> per capita) |
|------------------------|--|---|--|--|---|---|--|---|--|--|--|--|
|                        | 2015   | 2015  | 2010-2015  | 2010-2015  | 2015  | 2014*                                   | 2015*  | 2015*   | latest year available                        | 2009*  | 2012*  | 2013*  |
| Poland                 | 125  | 61  | 0.19   | -0.10  | 7   | ...                                     | 99   | 98  | ...  | 125  | 2 571  | 2 086  |
| Republic of Moldova    | 105  | 45  | -0.82  | -0.73  | 0   | ...                                     | 97   | 88  | ...  | 39   | 920  | 748  |
| Romania                | 94   | 55  | -0.58  | 0.01   | 16  | ...                                     | 100  | 92  | 90   | 86   | 1 741  | 1 059  |
| Russian Federation     | 9  | 74  | -0.46  | -0.13  | 29  | ...                                     | 99   | 77  | ...  | 6  | 5 283  | 2 343  |
| Slovakia               | 113  | 54  | 0.56   | -0.31  | 0   | ...                                     | 100  | 99  | 100  | 91   | 3 079  | 1 717  |
| Ukraine                | 77   | 70  | -1.27  | -0.33  | 17  | ...                                     | 96   | 97  | ...  | 29   | 2 690  | 1 450  |
| <b>Northern Europe</b> | ...  | <b>81</b>                                   | <b>-0.60</b>   | <b>0.81</b>  | <b>29</b>   | ...                                     | <b>100</b>   | <b>99</b>   | ...  | <b>137</b>   | <b>3 568</b>   | <b>2 731</b>   |
| Denmark                | 133  | 88  | -0.99  | 0.60   | 26  | ...                                     | 100  | 100   | 100  | 173  | 3 102  | 2 443  |
| Estonia                | 30   | 68  | 0.06   | -0.45  | 0   | ...                                     | 100  | 98  | 79   | 138  | 4 174  | 1 814  |
| Finland                | 18   | 84  | -0.48  | 0.50   | 26  | ...                                     | 100  | 99  | 100  | 26   | 6 151  | 2 426  |
| Iceland                | 3  | 94  | -0.54  | 1.25   | 0   | ...                                     | 100  | 99  | 100  | ...  | 17 756   | 2 534  |
| Ireland                | 69   | 63  | 0.38   | 1.58   | 39  | ...                                     | 98   | 89  | 76   | 140  | 2 888  | 3 651  |
| Latvia                 | 33   | 67  | -0.38  | -0.67  | 0   | ...                                     | 100  | 91  | 50   | 111  | 2 171  | 1 595  |
| Lithuania              | 48   | 67  | -0.31  | -0.53  | 0   | ...                                     | 100  | 97  | ...  | 130  | 2 469  | 1 682  |
| Norway                 | 17   | 80  | -0.35  | 1.35   | 0   | ...                                     | 100  | 98  | 99   | 26   | 5 817  | 2 820  |
| Sweden                 | 24   | 86  | -0.39  | 0.83   | 18  | ...                                     | 100  | 99  | 100  | 142  | 5 269  | 2 072  |
| United Kingdom         | 264  | 83  | -0.87  | 0.88   | 35  | ...                                     | 100  | 99  | 100  | 173  | 3 018  | 2 912  |
| <b>Southern Europe</b> | ...  | <b>70</b>                                   | <b>-0.59</b>   | <b>0.52</b>  | <b>28</b>   | ...                                     | <b>100</b>   | <b>99</b>   | ...  | <b>134</b>   | <b>2 471</b>   | <b>2 062</b>   |
| Albania                | 117  | 57  | -2.03  | 2.21   | 0   | ...                                     | 95   | 96  | 77   | 66   | 715  | 920  |
| Andorra                | 173  | 85  | 4.77   | 0.14   | ...   | ...                                     | 100  | 100   | 100  | ...  | ...  | ...  |
| Bosnia and Herzegovina | 75   | 40  | -0.32  | 0.14   | 0   | ...                                     | 100  | 99  | ...  | 43   | 1 742  | 883  |
| Croatia                | 76   | 59  | -1.07  | 0.11   | 0   | ...                                     | 100  | 98  | 92   | 52   | 1 855  | 1 719  |
| Greece                 | 86   | 78  | -1.47  | 0.47   | 35  | ...                                     | 100  | 99  | 100  | 91   | 2 394  | 1 803  |
| Holy See               | 1 818  | 100   | 0.00   | 0.03   | ...   | ...                                     | ...  | ...   | ...  | ...  | ...  | ...  |
| Italy                  | 208  | 69  | -0.20  | 0.39   | 26  | ...                                     | 100  | 100   | 100  | 166  | 2 667  | 2 489  |

|  | Population density<br>(persons per square kilometre) | Urban population<br>(% of total population) | Rural population growth<br>(annual growth rate in %) | Urban population growth<br>(annual growth rate in %) | Urban population residing in urban agglomerations with 1 million inhabitants or more<br>(%) | Urban population living in slums<br>(%) | Urban population with access to improved water source<br>(%) | Urban population with access to improved sanitation facilities<br>(%) | Municipal solid waste collection rate<br>(%) | Road density<br>(kilometres per 100 square kilometres) | Energy use<br>(kilograms of oil equivalent per capita) | Carbon dioxide emissions from transport and residential sectors<br>(kilograms of CO <sub>2</sub> per capita) |
|--|--|---|--|--|---|---|--|---|--|--|--|--|
|  | 2015   | 2015  | 2010-2015  | 2010-2015  | 2015  | 2014*                                   | 2015*  | 2015*   | latest year available                        | 2009*  | 2012*  | 2013*  |
| Malta                                  | 1 365  | 95  | -2.69  | 0.46   | 0   | ...                                     | 100  | 100   | 100  | ...  | 1 599  | 1 411  |
| Montenegro                             | 45   | 64  | -0.46  | 0.34   | 0   | ...                                     | 100  | 98  | ...  | ...  | 1 712  | 870  |
| Portugal                               | 116  | 63  | -1.49  | 0.97   | 62  | ...                                     | 100  | 100   | 100  | 91   | 2 035  | 1 679  |
| San Marino                             | 530  | 94  | 0.25   | 0.62   | ...   | ...                                     | ...  | ...   | ...  | ...  | ...  | ...  |
| Serbia                                 | 107  | 56  | -0.62  | -0.34  | 23  | ...                                     | 99   | 98  | 65   | 51   | 2 009  | 994  |
| Slovenia                               | 103  | 50  | 0.40   | 0.08   | 0   | ...                                     | 100  | 99  | 93   | 193  | 3 401  | 3 007  |
| Spain                                  | 95   | 80  | -0.65  | 0.72   | 31  | ...                                     | 100  | 100   | ...  | 134  | 2 672  | 2 105  |
| TFYR Macedonia                         | 83   | 57  | 0.01   | 0.11   | 0   | ...                                     | 100  | 97  | ...  | ...  | 1 434  | 724  |
| <b>Western Europe</b>                  | ...  | <b>79</b>                                   | <b>-0.85</b>   | <b>0.55</b>  | <b>19</b>   | ...                                     | <b>100</b>   | <b>99</b>   | ...  | <b>215</b>   | <b>3 994</b>   | <b>2 986</b>   |
| Austria                                | 104  | 66  | 0.30   | 0.40   | 31  | ...                                     | 100  | 100   | 100  | 129  | 3 928  | 3 498  |
| Belgium                                | 370  | 98  | -1.49  | 0.48   | 19  | ...                                     | 100  | 100   | 100  | 508  | 5 028  | 3 796  |
| France                                 | 118  | 80  | -0.57  | 0.84   | 29  | ...                                     | 100  | 99  | 100  | 174  | 3 844  | 2 623  |
| Germany                                | 237  | 75  | -0.91  | 0.16   | 13  | ...                                     | 100  | 99  | 100  | 185  | 3 886  | 3 062  |
| Liechtenstein                          | 234  | 14  | 0.77   | 0.48   | ...   | ...                                     | ...  | ...   | ...  | ...  | ...  | ...  |
| Luxembourg                             | 210  | 90  | -1.69  | 1.71   | 0   | ...                                     | 100  | 98  | 100  | ...  | 7 707  | ...  |
| Monaco                                 | 25 718   | 100   | 0.00   | 0.79   | ...   | ...                                     | 100  | 100   | 100  | ...  | ...  | ...  |
| Netherlands                            | 497  | 90  | -5.90  | 1.05   | 7   | ...                                     | 100  | 98  | 100  | 406  | 4 690  | 3 025  |
| Switzerland                            | 206  | 74  | 0.83   | 1.08   | 20  | ...                                     | 100  | 100   | 99   | 181  | 3 203  | 3 366  |
| <b>Latin America and the Caribbean</b> | ...  | <b>80</b>                                   | <b>-0.20</b>   | <b>1.45</b>  | <b>45</b>   | ...                                     | <b>97</b>  | <b>88</b>   | ...  | 21   | 1 367  | 1 119  |
| <b>Caribbean</b>                       | ...  | <b>70</b>                                   | <b>-1.14</b>   | <b>1.52</b>  | <b>33</b>   | ...                                     | <b>85</b>  | <b>76</b>   | ...  | ...  | ...  | ...  |
| Antigua and Barbuda                    | 209  | 24  | 1.68   | -0.95  | 0   | ...                                     | 98   | ...   | 95   | ...  | ...  | ...  |
| Bahamas                                | 39   | 83  | 1.07   | 1.53   | 0   | ...                                     | 98   | 92  | ...  | ...  | ...  | ...  |
| Barbados                               | 669  | 31  | 0.67   | 0.13   | 0   | ...                                     | 100  | 96  | ...  | ...  | ...  | ...  |
| Cuba                                   | 102  | 77  | -0.47  | 0.07   | 25  | ...                                     | 96   | 94  | 76   | ...  | 1 003  | 173  |
| Dominica                               | 97   | 70  | -0.51  | 0.84   | ...   | ...                                     | 96   | ...   | 94   | ...  | ...  | ...  |

|                                  | Population density<br>(persons per square kilometre) | Urban population<br>(% of total population) | Rural population growth<br>(annual growth rate in %) | Urban population growth<br>(annual growth rate in %) | Urban population residing in urban agglomerations with 1 million inhabitants or more<br>(%) | Urban population living in slums<br>(%) | Urban population with access to improved water source<br>(%) | Urban population with access to improved sanitation facilities<br>(%) | Municipal solid waste collection rate<br>(%) | Road density<br>(kilometres per 100 square kilometres) | Energy use<br>(kilograms of oil equivalent per capita) | Carbon dioxide emissions from transport and residential sectors<br>(kilograms of CO <sub>2</sub> per capita) |
|----------------------------------|--|---|--|--|---|---|--|---|--|--|--|--|
|                                  | 2015   | 2015  | 2010-2015  | 2010-2015  | 2015  | 2014*                                   | 2015*  | 2015*   | latest year available                        | 2009*  | 2012*  | 2013*  |
| Dominican Republic               | 220  | 79  | -3.21  | 2.60   | 35  | 12                                      | 85   | 86  | 69   | 26   | 744  | 667  |
| Grenada                          | 314  | 36  | 0.41   | 0.33   | 0   | ...                                     | 99   | 98  | 100  | ...  | ...  | ...  |
| Haiti                            | 385  | 59  | -1.59  | 3.78   | 39  | 74                                      | 65   | 34  | 11   | 15   | 396  | 99   |
| Jamaica                          | 260  | 55  | 0.06   | 0.90   | 0   | ...                                     | 98   | 80  | 62   | 204  | 1 036  | 706  |
| Saint Kitts and Nevis            | 213  | 32  | 1.05   | 1.27   | ...   | ...                                     | 98   | ...   | 98   | ...  | ...  | ...  |
| Saint Lucia                      | 343  | 19  | 0.82   | 0.89   | 0   | ...                                     | 100  | 85  | 100  | ...  | ...  | ...  |
| Saint Vincent and the Grenadines | 282  | 51  | -0.69  | 0.72   | 0   | ...                                     | 95   | ...   | 91   | ...  | ...  | ...  |
| Trinidad and Tobago              | 263  | 8   | 0.42   | -1.20  | 0   | ...                                     | 95   | 92  | 100  | 162  | 14 332   | 2 770  |
| <b>Central America</b>           | ...  | <b>74</b>                                   | <b>0.23</b>  | <b>1.79</b>  | <b>44</b>   | <b>14</b>                               | <b>97</b>  | <b>87</b>   | ...  | <b>24</b>  | <b>1 336</b>   | <b>1 192</b>   |
| Belize                           | 15   | 44  | 2.74   | 1.93   | 0   | 11                                      | 99   | 94  | 50   | ...  | ...  | ...  |
| Costa Rica                       | 98   | 77  | -2.60  | 2.74   | 30  | 6                                       | 100  | 95  | 74   | 76   | 1 016  | 1 022  |
| El Salvador                      | 310  | 67  | -0.76  | 1.40   | 26  | ...                                     | 98   | 82  | 71   | 48   | 720  | 529  |
| Guatemala                        | 150  | 52  | 1.60   | 3.40   | 35  | 35                                      | 98   | 78  | 72   | 13   | 720  | 435  |
| Honduras                         | 75   | 55  | 0.71   | 3.14   | 24  | 28                                      | 97   | 87  | 68   | 12   | 656  | 431  |
| Mexico                           | 64   | 79  | -0.12  | 1.57   | 48  | 11                                      | 97   | 88  | 91   | 19   | 1 543  | 1 422  |
| Nicaragua                        | 52   | 59  | 0.71   | 1.96   | 0   | ...                                     | 99   | 77  | 73   | 18   | 563  | 295  |
| Panama                           | 54   | 67  | 0.75   | 2.07   | 63  | 26                                      | 98   | 84  | 77   | 19   | 1 109  | 1 080  |
| <b>South America</b>             | ...  | <b>83</b>                                   | <b>-0.29</b>   | <b>1.32</b>  | <b>47</b>   | <b>22</b>                               | <b>98</b>  | <b>89</b>   | ...  | <b>18</b>  | <b>1 389</b>   | <b>1 150</b>   |
| Argentina                        | 15   | 92  | -0.96  | 1.04   | 49  | 17                                      | 99   | 96  | ...  | 8  | 1 906  | 1 728  |
| Bolivia (Plurinational State of) | 10   | 69  | 0.36   | 2.26   | 68  | 44                                      | 97   | 61  | ...  | 7  | 831  | 781  |
| Brazil                           | 24   | 86  | -0.96  | 1.17   | 47  | 22                                      | 100  | 88  | 83   | 21   | 1 392  | 1 130  |
| Chile                            | 24   | 90  | -0.84  | 1.09   | 41  | ...                                     | 100  | 100   | ...  | 11   | 2 140  | 1 600  |
| Colombia                         | 45   | 76  | 0.13   | 1.66   | 54  | 13                                      | 97   | 85  | 98   | 12   | 674  | 621  |
| Ecuador                          | 59   | 64  | 1.00   | 1.90   | 43  | 36                                      | 93   | 87  | 81   | 18   | 935  | 1 323  |
| Guyana                           | 4  | 29  | 0.45   | 0.76   | 0   | 33                                      | 98   | 88  | 89   | ...  | ...  | ...  |

|                                    | Population density<br>(persons per square kilometre) | Urban population<br>(% of total population) | Rural population growth<br>(annual growth rate in %) | Urban population growth<br>(annual growth rate in %) | Urban population residing in urban agglomerations with 1 million inhabitants or more<br>(%) | Urban population living in slums<br>(%) | Urban population with access to improved water source<br>(%) | Urban population with access to improved sanitation facilities<br>(%) | Municipal solid waste collection rate<br>(%) | Road density<br>(kilometres per 100 square kilometres) | Energy use<br>(kilograms of oil equivalent per capita) | Carbon dioxide emissions from transport and residential sectors<br>(kilograms of CO <sub>2</sub> per capita) |
|------------------------------------|--|---|--|--|---|---|--|---|--|--|--|--|
|                                    | 2015   | 2015  | 2010-2015  | 2010-2015  | 2015  | 2014*                                   | 2015*  | 2015*   | latest year available                        | 2009*  | 2012*  | 2013*  |
| Paraguay                           | 18   | 60  | 1.12   | 2.10   | 56  | ...                                     | 100  | 96  | 51   | 8  | 783  | 707  |
| Peru                               | 24   | 79  | -0.27  | 1.69   | 40  | 34                                      | 91   | 83  | 74   | 10   | 720  | 697  |
| Suriname                           | 4  | 66  | 1.05   | 0.78   | 0   | 7                                       | 98   | 88  | 80   | ...  | ...  | ...  |
| Uruguay                            | 20   | 95  | -3.16  | 0.53   | 52  | ...                                     | 100  | 97  | 86   | 44   | 1 362  | 1 147  |
| Venezuela (Bolivarian Republic of) | 35   | 89  | 1.09   | 1.54   | 33  | ...                                     | 95   | 98  | 86   | 11   | 2 558  | 1 625  |
| <b>Northern America</b>            | ...  | <b>82</b>                                   | <b>-0.08</b>   | <b>1.04</b>  | <b>55</b>   | ...                                     | <b>99</b>  | <b>100</b>  | ...  | <b>62</b>  | <b>6 856</b>   | <b>6 366</b>   |
| Canada                             | 4  | 82  | 0.04   | 1.22   | 56  | ...                                     | 100  | 100   | 99   | 15   | 7 226  | 6 116  |
| United States of America           | 35   | 82  | -0.09  | 1.02   | 55  | ...                                     | 99   | 100   | 100  | 72   | 6 815  | 6 394  |
| <b>Oceania</b>                     | ...  | <b>71</b>                                   | <b>1.39</b>  | <b>1.44</b>  | <b>55</b>   | ...                                     | <b>99</b>  | <b>98</b>   | ...  | <b>13</b>  | <b>5 426</b>   | <b>4 107</b>   |
| <b>Australia/New Zealand</b>       | ...  | <b>89</b>                                   | <b>0.21</b>  | <b>1.40</b>  | <b>61</b>   | ...                                     | <b>100</b>   | <b>100</b>  | ...  | <b>13</b>  | <b>5 426</b>   | <b>4 107</b>   |
| Australia                          | 3  | 89  | 0.05   | 1.47   | 66  | ...                                     | 100  | 100   | ...  | 11   | 5 644  | 4 284  |
| New Zealand                        | 17   | 86  | 0.85   | 1.05   | 34  | ...                                     | 100  | ...   | ...  | 36   | 4 301  | 3 185  |
| <b>Melanesia</b>                   | ...  | <b>19</b>                                   | <b>1.94</b>  | <b>2.14</b>  | <b>0</b>  | ...                                     | <b>92</b>  | <b>69</b>   | ...  | ...  | ...  | ...  |
| Fiji                               | 49   | 54  | -0.07  | 1.45   | 0   | ...                                     | 100  | 93  | ...  | ...  | ...  | ...  |
| Papua New Guinea                   | 17   | 13  | 2.14   | 2.12   | 0   | ...                                     | 88   | 56  | ...  | 4  | ...  | ...  |
| Solomon Islands                    | 21   | 22  | 1.51   | 4.25   | 0   | ...                                     | 93   | 81  | ...  | ...  | ...  | ...  |
| Vanuatu                            | 22   | 26  | 1.80   | 3.42   | 0   | ...                                     | 99   | 65  | ...  | ...  | ...  | ...  |
| <b>Micronesia</b>                  | ...  | <b>67</b>                                   | <b>0.39</b>  | <b>1.09</b>  | ...   | ...                                     | <b>92</b>  | <b>75</b>   | ...  | ...  | ...  | ...  |
| Kiribati                           | 145  | 44  | 1.35   | 1.78   | 0   | ...                                     | 87   | 51  | ...  | ...  | ...  | ...  |
| Marshall Islands                   | 294  | 73  | -0.74  | 0.59   | ...   | ...                                     | 94   | 85  | 60   | ...  | ...  | ...  |
| Micronesia (Federated States of)   | 149  | 22  | 0.13   | 0.27   | 0   | ...                                     | 95   | 85  | ...  | ...  | ...  | ...  |
| Nauru                              | 482  | 100   | 0.00   | 0.19   | ...   | ...                                     | ...  | ...   | ...  | ...  | ...  | ...  |
| Palau                              | 46   | 87  | -4.26  | 1.66   | ...   | ...                                     | 97   | 100   | ...  | ...  | ...  | ...  |

|                  | Population density<br>(persons per square kilometre) | Urban population<br>(% of total population) | Rural population growth<br>(annual growth rate in %) | Urban population growth<br>(annual growth rate in %) | Urban population residing in urban agglomerations with 1 million inhabitants or more<br>(%) | Urban population living in slums<br>(%) | Urban population with access to improved water source<br>(%) | Urban population with access to improved sanitation facilities<br>(%) | Municipal solid waste collection rate<br>(%) | Road density<br>(kilometres per 100 square kilometres) | Energy use<br>(kilograms of oil equivalent per capita) | Carbon dioxide emissions from transport and residential sectors<br>(kilograms of CO <sub>2</sub> per capita) |
|------------------|--|---|--|--|---|---|--|---|--|--|--|--|
|                  | 2015   | 2015  | 2010-2015  | 2010-2015  | 2015  | 2014*                                   | 2015*  | 2015*   | latest year available                        | 2009*  | 2012*  | 2013*  |
| <b>Polynesia</b> | ...  | <b>42</b>                                   | <b>0.85</b>  | <b>0.55</b>  | ...   | ...                                     | <b>99</b>  | <b>94</b>   | ...  | ...  | ...  | ...  |
| Cook Islands     | 88   | 75  | -0.44  | 0.88   | ...   | ...                                     | ...  | ...   | ...  | ...  | ...  | ...  |
| Niue             | 5  | 43  | -4.16  | -0.94  | ...   | ...                                     | ...  | ...   | ...  | ...  | ...  | ...  |
| Samoa            | 68   | 19  | 1.00   | -0.24  | 0   | ...                                     | 98   | 93  | ...  | ...  | ...  | ...  |
| Tonga            | 164  | 24  | 0.35   | 0.71   | 0   | ...                                     | 100  | 98  | ...  | ...  | ...  | ...  |
| Tuvalu           | 381  | 60  | -2.13  | 1.90   | ...   | ...                                     | 98   | 86  | ...  | ...  | ...  | ...  |

**Notes:**

Three dots (...) indicate that data were not available.

\* Regional and other aggregates were computed by the United Nations, Department of Economic and Social Affairs, Population Division.

### **Definitions of indicators:**

**Population density<sup>i</sup>:** Population per square Kilometre.

**Urban population<sup>ii</sup>:** Urban population as a percentage of total population. Urban population is the de facto population living in areas classified as urban according to the criteria used by each area or country.

**Rural population growth<sup>iii</sup>:** Average exponential rate of growth of the rural population over a given period, expressed as per cent.

**Urban population growth<sup>iii</sup>:** Average exponential rate of growth of the urban population over a given period, expressed as per cent.

**Urban population residing in urban agglomerations with 1 million inhabitants or more<sup>iv</sup>:** The percentage of the urban population residing in urban agglomerations with 1 million inhabitants or more.

**Urban population living in slums<sup>iii</sup>:** The percentage of the urban population living in slum households. A slum household is defined as a group of individuals living under the same roof lacking one or more of the following conditions: access to improved water, access to improved sanitation, sufficient-living area, durability of housing, and security of tenure.

**Urban population with access to improved water source<sup>iv</sup>:** The percentage of the urban population that uses a drinking-water source that, by the nature of its construction and when properly used, adequately protects the source from outside contamination, particularly faecal matter.

**Urban population with access to improved sanitation facilities<sup>iv</sup>:** The percentage of the urban population that uses a sanitation facility that hygienically separates human excreta from human contact.

**Municipal solid waste collection rate<sup>v</sup>:** The percentage of solid waste collected from point of production (residential, industrial, commercial, institutional) to the point of treatment or disposal. Data are for the latest year available between 1996 and 2007 (Refer to the source for reference years).

**Road density<sup>vi</sup>:** The ratio of the length of the country's total road network to the country's land area, expressed as length in kilometres per 100 square kilometres. The road network includes all roads in the country: motorways, highways, main or national roads, secondary or regional roads, and other urban and rural roads.

**Energy used<sup>vii</sup>:** Use of primary energy before transformation to other end-use fuels, which is equal to indigenous production plus imports and stock changes, minus exports and fuels supplied to ships and aircraft engaged in international transport, expressed as kilogram of oil equivalent per capita.

**Carbon dioxide emissions from transport and residential sectors<sup>viii</sup>:** Per capita CO<sub>2</sub> emissions from fuel combustion in transport and residential sectors, expressed as kilograms of CO<sub>2</sub> per capita. Transport contains emissions from the combustion of fuel for all transport activity, regardless of the sector, except for international marine bunkers and international aviation bunkers, which are not included in transport emissions at a national or regional level (except for World transport emissions). Residential contains all emissions from fuel combustion in households.

<sup>i</sup>United Nations, Department of Economic and Social Affairs, Population Division (2015). World Population Prospects: The 2015 Revision, DVD Edition.

<sup>ii</sup>United Nations, Department of Economic and Social Affairs, Population Division (2014). World Urbanization Prospects: The 2014 Revision, CD-ROM Edition.

<sup>iii</sup>United Nations (2015). Millennium Development Goals Indicators. Available from <http://mdgs.un.org/unsd/mdg/Data.aspx>.

<sup>iv</sup>World Health Organization/United Nations Children's Fund (2015). Joint Monitoring Programme for Water Supply and Sanitation. Data and Estimates. Available from: <http://www.wssinfo.org/data-estimates/tables/>.

<sup>v</sup>World Bank (2012). What a Waste: A Global Review of Solid Waste Management, Annex K. Urban Development Series Knowledge Papers, No. 15.

<sup>vi</sup>UN Habitat (2013). Global Human Settlement Report 2013, Planning and design for Sustainable Urban Mobility, Table B7 [for information on road length] and World Bank (2015). World Development Indicator 2015. Available from <http://data.worldbank.org/indicator/> [for information on geographic area].

<sup>vii</sup>International Energy Agency (2014). IEA Statistics. Available from <http://www.iea.org/stats/index.asp>.

<sup>viii</sup>International Energy Agency (2015). CO<sub>2</sub> Emissions From Fuel Combustion Highlights (2015 Edition). Summary table "CO<sub>2</sub> emissions by sector in 2013". Available from <http://www.iea.org/statistics/topics/CO2emissions/>.