



## A DECADE OF AFRICAN GOVERNANCE

2006-2015

### 2016 IBRAHIM INDEX OF AFRICAN GOVERNANCE

### KENYA INSIGHTS



MO IBRAHIM FOUNDATION

MO IBRAHIM FOUNDATION  
10<sup>th</sup> ANNIVERSARY  
2006-2016

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The Mo Ibrahim Foundation (MIF) is aware that some sources update their data sets after our documentation is sent to print. IIAG raw data are correct as per the data "last accessed", which is stated for each indicator within the Data Portal (downloadable via our website).

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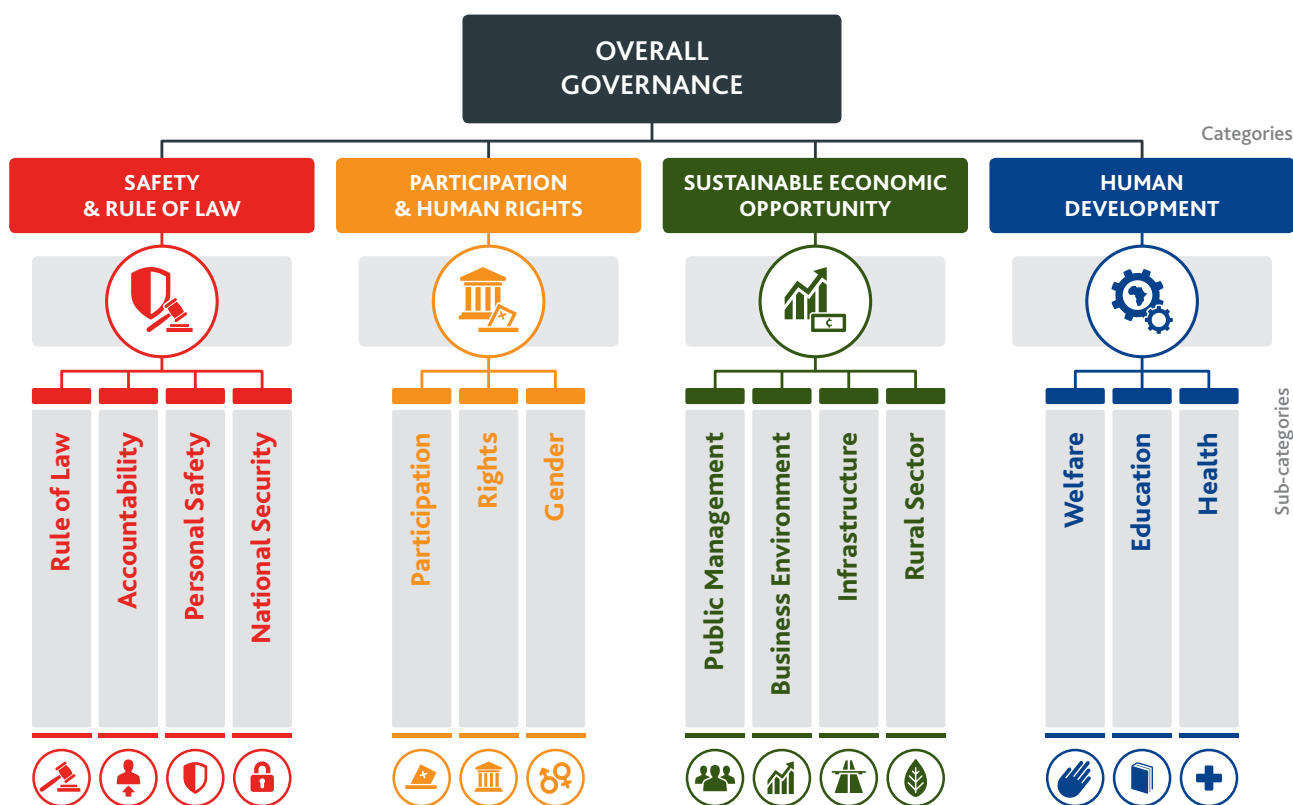
### General overview

Published since 2007, the Ibrahim Index of African Governance (IIAG) was created to provide a quantifiable tool to measure and monitor governance performance in African countries, to assess its progress over time and to support the development of effective and responsive policy solutions. These aims remain the same and the IIAG now represents the most comprehensive collection of data on African governance. In order to provide a broad, documented and impartial picture of governance performance in every African country, the IIAG compiles a large amount of data issued by diverse sources.

The entire Index time series is updated on an annual basis to ensure that each new IIAG provides the most accurate data

available. This process ensures that the Index is the most robust and up-to-date dashboard of the state of governance in every African country.

As assessed by the IIAG, governance is defined as the provision of the political, social and economic public goods and services that every citizen has the right to expect from their state, and that a state has the responsibility to deliver to its citizens. The IIAG focuses on measuring outputs and outcomes of policy, rather than declarations of intent, de jure statutes and levels of expenditure. This is reflected in the IIAG tree diagram below, which outlines the structure and issues covered by the Index.



### Introducing banding in the 2016 IIAG

For the first time, the 2016 IIAG introduces groups of countries based on their score. There are five groups which range from high to low performance: "High", "Medium-High", "Medium", "Medium-Low" and "Low".

These groups have been derived using k-means clustering analysis, which determines the banding thresholds within a given category. These cut-off points determine the band in which countries sit.

Each category has a different cut-off point as a result of the units of measurement being diverse and specific to the category.

The Overall Governance bands are a simple aggregate of the category cut-off points. The cut-off points for the bands are:

|             | OVERALL GOVERNANCE | SAFETY & RULE OF LAW | PARTICIPATION & HUMAN RIGHTS | SUSTAINABLE ECONOMIC OPPORTUNITY | HUMAN DEVELOPMENT |
|-------------|--------------------|----------------------|------------------------------|----------------------------------|-------------------|
| High        | 71.0 and above     | 77.0 and above       | 69.0 and above               | 63.0 and above                   | 74.0 and above    |
| Medium-High | 54.0 - 70.9        | 60.0 - 76.9          | 54.0 - 68.9                  | 48.0 - 62.9                      | 56.0 - 73.9       |
| Medium      | 41.0 - 53.9        | 45.0 - 59.9          | 37.0 - 53.9                  | 37.0 - 47.9                      | 45.0 - 55.9       |
| Medium-Low  | 23.0 - 40.9        | 25.0 - 44.9          | 20.0 - 36.9                  | 23.0 - 36.9                      | 25.0 - 44.9       |
| Low         | Below 23.0         | Below 25.0           | Below 20.0                   | Below 23.0                       | Below 25.0        |

## Overall Governance and Category Scores

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### KENYA

Over the last ten years (2006-2015), Kenya has improved in *Overall Governance* (+5.1), the ninth largest improvement on the continent, meaning the country ranks 12<sup>th</sup> in 2015. This positive trend is driven by progress in each of the four categories of the IIAG, including in *Safety & Rule of Law* (+0.8), contrary to the large majority of African countries, who register deterioration in this dimension.

*Human Development* is Kenya's largest category improvement (+8.0) since 2006, achieving the 12<sup>th</sup> rank. This has been driven by gains in all sub-categories. Progress in *Welfare* (+11.9) has been strong, with improvement across eight of the nine underlying indicators, with seven showing gains greater than +10.0 score points. Kenya improves in *Health* (+9.2), which includes the country's most improved indicator over the decade: *Disease*. Two of the underlying indicators in *Education* however, feature among the country's ten most deteriorated indicators (out of 95) over the decade, *Human Resources in Primary Schools* and *Education Provision*.

Kenya achieves its highest category rank in *Sustainable Economic Opportunity* (11<sup>th</sup>), and shows the tenth largest improvement (+7.8). Kenya is the 5<sup>th</sup> most improved in *Infrastructure* (+17.8), with gains across all indicators. In *Business Environment*, where 24 countries register deterioration, Kenya improves by +10.4 score points, showing the fifth largest improvement and ranking 11<sup>th</sup>, with the *Bureaucracy & Red Tape* indicator featuring among the country's ten most improved indicators over the decade.

Kenya's improvement in *Participation & Human Rights* (+3.6) is mostly driven by gains in *Gender* (+7.8). *Rights* (+0.4) improves overall however the indicators *Freedom of Expression*, *Civil Liberties* and *Freedom of Association & Assembly* are some of Kenya's most deteriorated. Kenya's increase in *Participation* (+2.7) has been mainly driven by the indicator *Election Monitoring Agencies*, while *Legitimacy of Political Process*, *Civil Society Participation* and *Free & Fair Elections* decline.

Though still registering a positive trend over the decade, further progress in *Safety & Rule of Law* is slowed by the strong deterioration registered in *National Security* (-17.3), which is both Kenya's worst ranking sub-category (45<sup>th</sup>) and only sub-category deterioration over the past decade. Three of its underlying indicators, *Government Involvement in Armed Conflict*, *Cross-border Tensions*, and *Domestic Armed Conflict*, sit among the country's ten most deteriorated indicators over the decade.



OVERALL GOVERNANCE

2015 SCORE/100

58.9

2015 AFRICAN AVERAGE

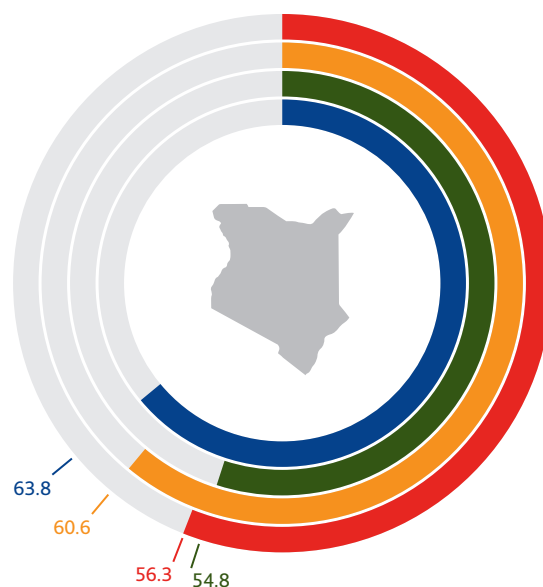
50.0

TREND 2006-2015

+5.1 ▲

2015 RANK/54

12<sup>th</sup>



SAFETY & RULE OF LAW

2015 SCORE/100

56.3

2015 AFRICAN AVERAGE

52.1

TREND 2006-2015

+0.8

2015 RANK/54

25<sup>th</sup>



PARTICIPATION & HUMAN RIGHTS

2015 SCORE/100

60.6

2015 AFRICAN AVERAGE

50.0

TREND 2006-2015

+3.6

2015 RANK/54

17<sup>th</sup>



SUSTAINABLE ECONOMIC OPPORTUNITY

2015 SCORE/100

54.8

2015 AFRICAN AVERAGE

42.9

TREND 2006-2015

+7.8

2015 RANK/54

11<sup>th</sup>



HUMAN DEVELOPMENT

2015 SCORE/100

63.8

2015 AFRICAN AVERAGE

55.0

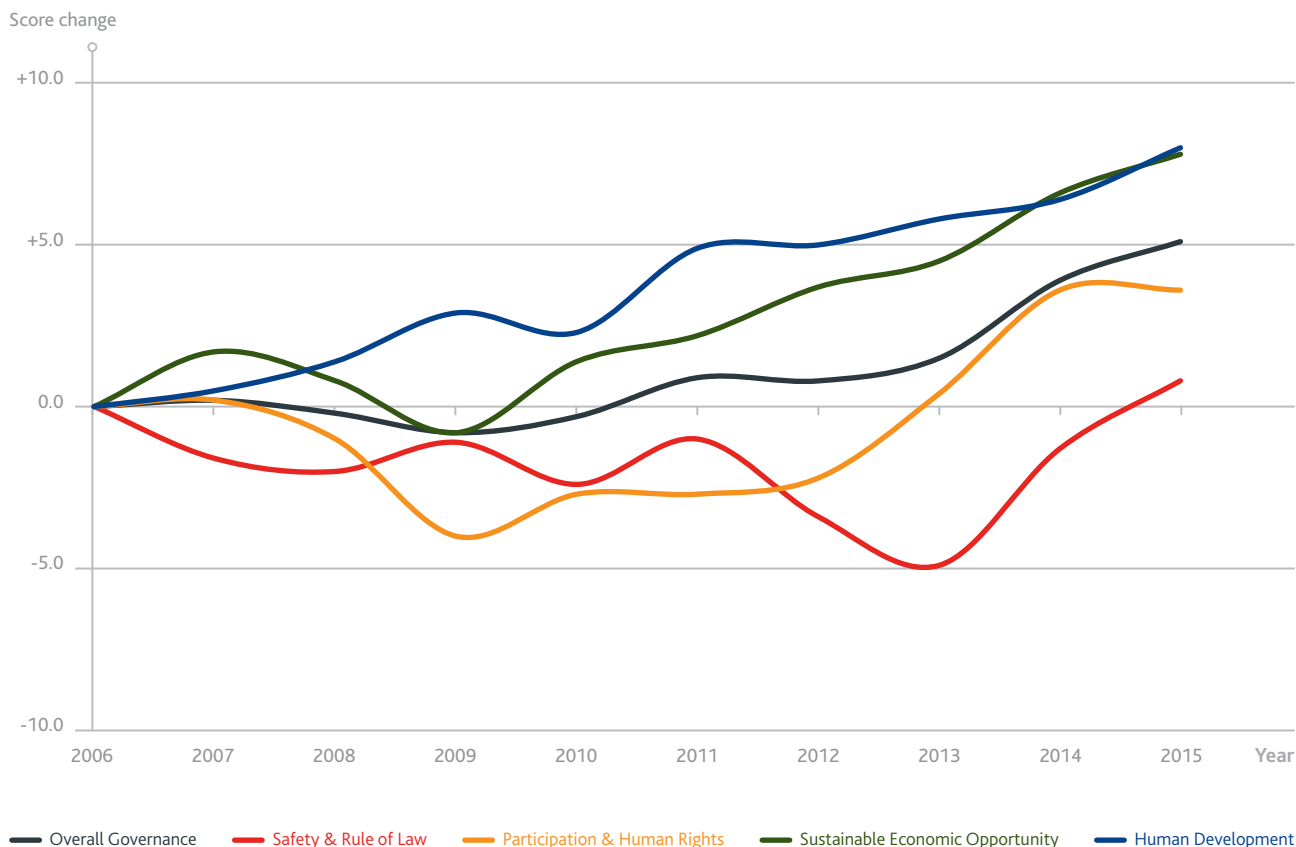
TREND 2006-2015

+8.0

2015 RANK/54

12<sup>th</sup>

2006-2015 TRENDS AT OVERALL GOVERNANCE & CATEGORY LEVEL



SUB-CATEGORY

| SAFETY & RULE OF LAW | 2015 SCORE/100 | 2015 RANK/54     | TREND 2006-2015 |
|----------------------|----------------|------------------|-----------------|
| RULE OF LAW          | 71.6           | 11 <sup>th</sup> | +6.5            |
| ACCOUNTABILITY       | 44.7           | 15 <sup>th</sup> | +2.7            |
| PERSONAL SAFETY      | 49.7           | 27 <sup>th</sup> | +11.2           |
| NATIONAL SECURITY    | 59.2           | 45 <sup>th</sup> | -17.3           |

| SUSTAINABLE ECONOMIC OPPORTUNITY | 2015 SCORE/100 | 2015 RANK/54     | TREND 2006-2015 |
|----------------------------------|----------------|------------------|-----------------|
| PUBLIC MANAGEMENT                | 54.3           | 11 <sup>th</sup> | +2.0            |
| BUSINESS ENVIRONMENT             | 52.9           | 11 <sup>th</sup> | +10.4           |
| INFRASTRUCTURE                   | 48.0           | 14 <sup>th</sup> | +17.8           |
| RURAL SECTOR                     | 63.9           | 9 <sup>th</sup>  | +1.0            |

| PARTICIPATION & HUMAN RIGHTS | 2015 SCORE/100 | 2015 RANK/54     | TREND 2006-2015 |
|------------------------------|----------------|------------------|-----------------|
| PARTICIPATION                | 64.5           | 19 <sup>th</sup> | +2.7            |
| RIGHTS                       | 50.7           | 28 <sup>th</sup> | +0.4            |
| GENDER                       | 66.7           | 12 <sup>th</sup> | +7.8            |

| HUMAN DEVELOPMENT | 2015 SCORE/100 | 2015 RANK/54     | TREND 2006-2015 |
|-------------------|----------------|------------------|-----------------|
| WELFARE           | 55.1           | 16 <sup>th</sup> | +11.9           |
| EDUCATION         | 61.8           | 12 <sup>th</sup> | +2.8            |
| HEALTH            | 74.5           | 18 <sup>th</sup> | +9.2            |

## EAST AFRICA

2015 SCORE/100  
2015 RANK/13; 1=BEST



### OVERALL GOVERNANCE

| 2015 SCORE | 2015 REGION RANK | TREND 2006-2015 |
|------------|------------------|-----------------|
| 44.9       | 4 <sup>th</sup>  | -0.1            |

Kenya ranks 3<sup>rd</sup> in East Africa in *Overall Governance*, and shows the third largest improvement over the past decade.

Kenya achieves its worst regional rank in *Safety & Rule of Law* (6<sup>th</sup> out of 13). While showing the largest improvement in the region in *Personal Safety* (+11.2) since 2006, it illustrates the largest decline in *National Security* (-17.3), out of the East African countries.

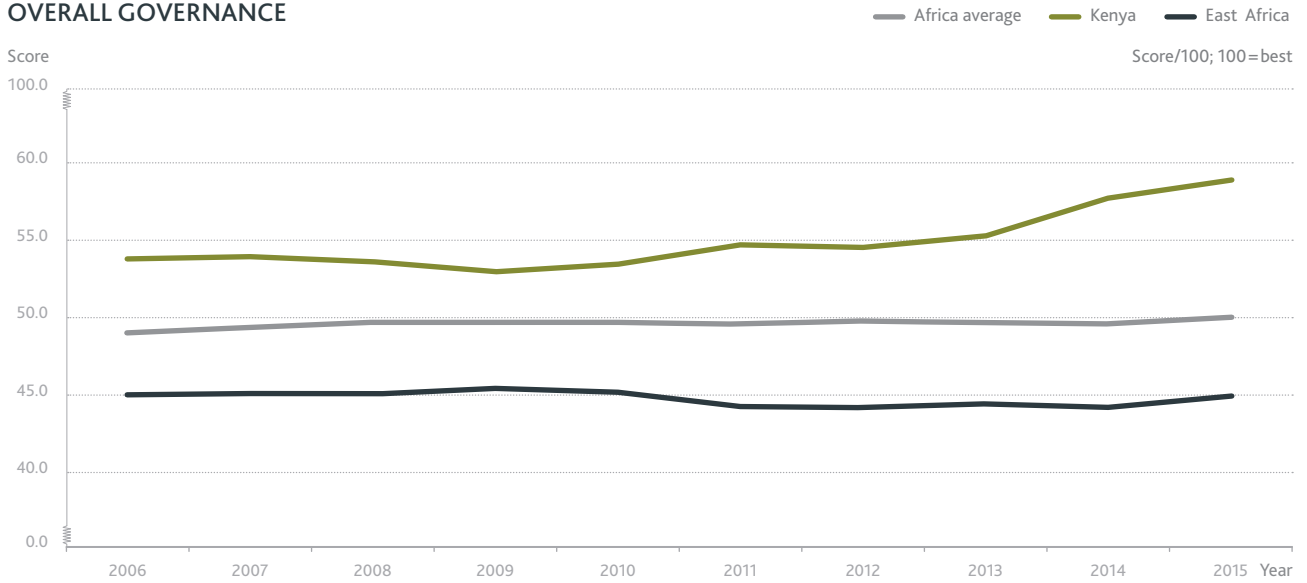
Alongside the positive regional trend in *Participation & Human Rights* (+1.1), Kenya shows improvement in this category over the past ten years (+3.6).

It is the second most improved country in *Sustainable Economic Opportunity* (+7.8) since 2006, after Rwanda. While all but one of the East African countries improve in *Infrastructure* over the past decade, Kenya illustrates the largest improvement (+17.8).

In *Human Development*, Kenya follows the positive East African trend in all underlying sub-categories. Progress in *Welfare* (+11.9) makes it the second most improved East African country.

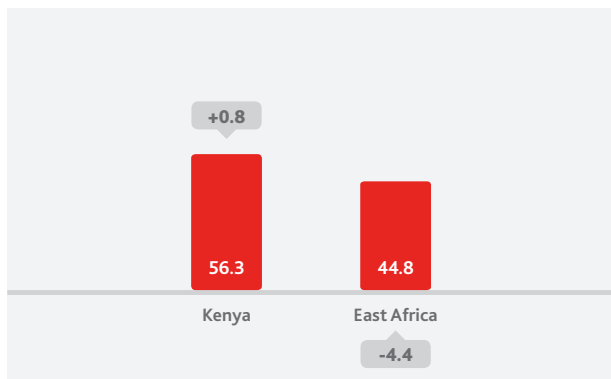
| BURUNDI            |      | COMOROS            |      | DJIBOUTI           |      | ERITREA            |      |
|--------------------|------|--------------------|------|--------------------|------|--------------------|------|
| Score              | 41.9 | Score              | 50.3 | Score              | 46.5 | Score              | 30.0 |
| Rank within region | 9    | Rank within region | 6    | Rank within region | 8    | Rank within region | 11   |
| Trend 2006-2015    | -2.1 | Trend 2006-2015    | +3.7 | Trend 2006-2015    | +2.3 | Trend 2006-2015    | -5.6 |
| ETHIOPIA           |      | KENYA              |      | RWANDA             |      | SEYCHELLES         |      |
| Score              | 49.1 | Score              | 58.9 | Score              | 62.3 | Score              | 72.6 |
| Rank within region | 7    | Rank within region | 3    | Rank within region | 2    | Rank within region | 1    |
| Trend 2006-2015    | +7.0 | Trend 2006-2015    | +5.1 | Trend 2006-2015    | +8.4 | Trend 2006-2015    | +4.0 |
| SOMALIA            |      | SOUTH SUDAN        |      | SUDAN              |      | TANZANIA           |      |
| Score              | 10.6 | Score              | 18.6 | Score              | 30.4 | Score              | 56.5 |
| Rank within region | 13   | Rank within region | 12   | Rank within region | 10   | Rank within region | 4    |
| Trend 2006-2015    | +0.3 | Trend 2006-2015    | .    | Trend 2006-2015    | -0.6 | Trend 2006-2015    | -0.6 |
| UGANDA             |      |                    |      |                    |      |                    |      |
| Score              | 56.2 |                    |      |                    |      |                    |      |
| Rank within region | 5    |                    |      |                    |      |                    |      |
| Trend 2006-2015    | +3.4 |                    |      |                    |      |                    |      |

OVERALL GOVERNANCE

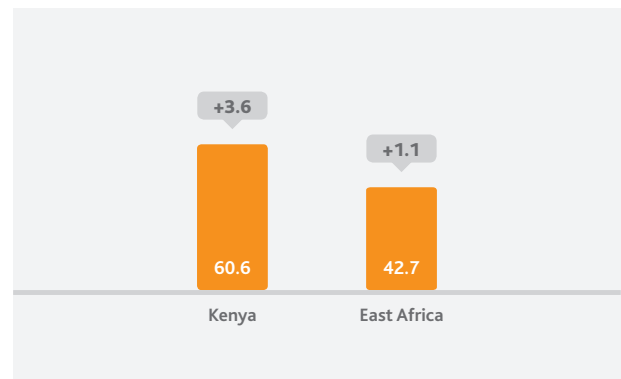


|                | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
|----------------|------|------|------|------|------|------|------|------|------|------|
| Africa average | 49.0 | 49.4 | 49.7 | 49.7 | 49.7 | 49.6 | 49.8 | 49.7 | 49.6 | 50.0 |
| Kenya          | 53.8 | 54.0 | 53.6 | 53.0 | 53.5 | 54.7 | 54.6 | 55.3 | 57.7 | 58.9 |
| East Africa    | 45.0 | 45.1 | 45.1 | 45.4 | 45.2 | 44.3 | 44.2 | 44.4 | 44.2 | 44.9 |

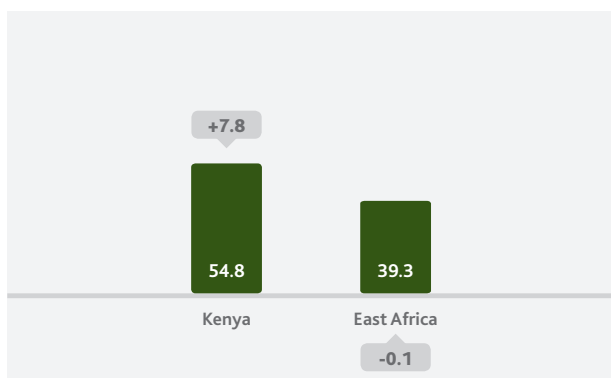
SAFETY & RULE OF LAW



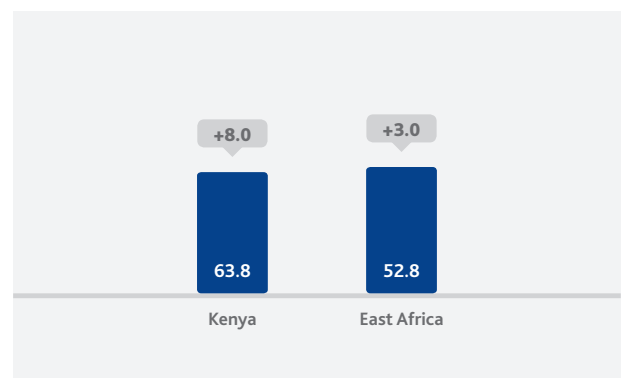
PARTICIPATION & HUMAN RIGHTS



SUSTAINABLE ECONOMIC OPPORTUNITY



HUMAN DEVELOPMENT





**Data sources**

The 2016 IIAG was calculated using data from 34 independent institutions.

- African Development Bank (AfDB)
- African Union Commission (AUC)
- Afrobarometer (AFR)
- Armed Conflict Location & Event Data Project (ACLED)
- Bertelsmann Stiftung (BS)
- Economist Intelligence Unit (EIU)
- Freedom House (FH)
- Ghana Center for Democratic Development (CDD)
- Global Integrity (GI)
- Inter-agency Group for Child Mortality Estimation (IGME)
- Internal Displacement Monitoring Centre (IDMC)
- International Centre for Tax and Development (ICTD)
- International Fund for Agricultural Development (IFAD)
- International Telecommunication Union (ITU)
- Inter-Parliamentary Union (IPU)
- Joint United Nations Programme on HIV/AIDS (UNAIDS)
- Maternal Mortality Estimation Inter-agency Group (MMEIG)





Office of the High Commissioner for Human Rights (OHCHR)  
Office of the United Nations High Commissioner for Refugees (UNHCR)  
Organisation for Economic Co-operation and Development (OECD)  
Political Terror Scale (PTS)  
Reporters sans frontières (RSF)  
The Heritage Foundation (HER)  
United Nations Children's Fund (UNICEF)  
United Nations Department of Economic and Social Affairs (UNDESA)  
United Nations Development Programme (UNDP)  
United Nations Economic Commission for Africa (UNECA)

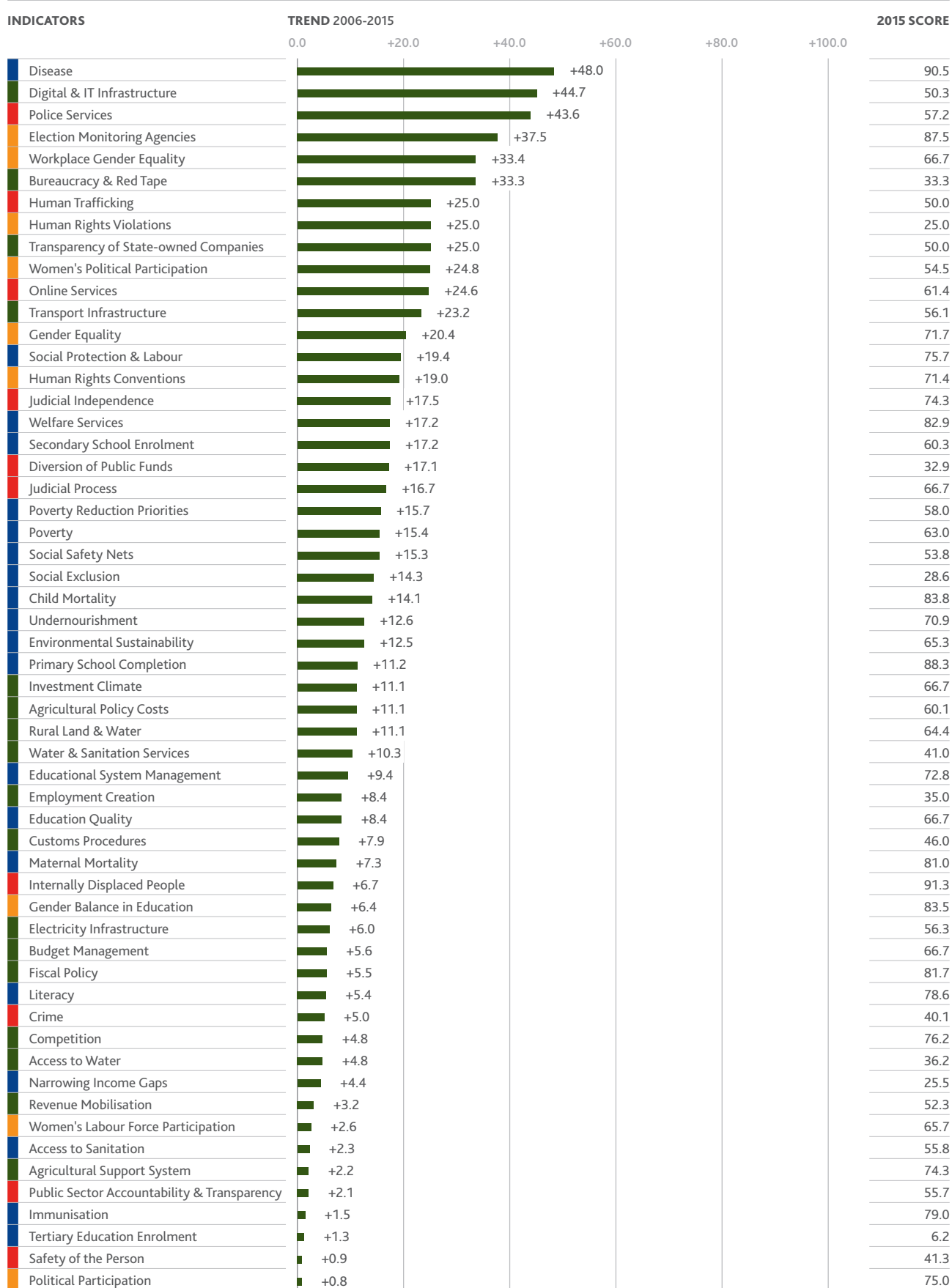
United Nations Educational, Scientific and Cultural Organization (UNESCO)  
United Nations Office of Legal Affairs (UNOLA)  
United States Department of State - Office to Monitor and Combat Trafficking in Persons (USDS)  
Uppsala University, Department of Peace and Conflict Research - Uppsala Conflict Data Programme (UCDP)  
World Bank (WB)  
World Economic Forum (WEF)  
World Health Organization (WHO)

# Indicators: 2015 Scores & Trends 2006-2015

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## Kenya's scores & trends

Improvement since 2006



| INDICATORS                                  | TREND 2006-2015 |       |       |       |       |        | 2015 SCORE |
|---|-----------------|-------|-------|-------|-------|--------|------------|
|   | 0.0             | +20.0 | +40.0 | +60.0 | +80.0 | +100.0 |            |
| Transfers of Power                          | no change       |       |       |       |       |        | 66.7       |
| Sanctions                                   | no change       |       |       |       |       |        | 100.0      |
| Corruption in Government & Public Officials | no change       |       |       |       |       |        | 20.0       |
| Social Unrest                               | no change       |       |       |       |       |        | 50.0       |
| Political Refugees                          | no change       |       |       |       |       |        | 99.6       |
| Women in the Judiciary                      | no change       |       |       |       |       |        | 75.0       |
| Public Administration                       | no change       |       |       |       |       |        | 79.2       |
| Rural Development Resources                 | no change       |       |       |       |       |        | 62.5       |
| Rural Accountability & Transparency         | no change       |       |       |       |       |        | 60.5       |
| Public Health Campaigns                     | no change       |       |       |       |       |        | 75.0       |

■ Deterioration since 2006

| INDICATORS                               | TREND 2006-2015 |       |       |       |       |     | 2015 SCORE |
|--|-----------------|-------|-------|-------|-------|-----|------------|
|  | -100.0          | -80.0 | -60.0 | -40.0 | -20.0 | 0.0 |            |
| Basic Health Services                    | -0.6            |       |       |       |       |     | 71.6       |
| Property Rights                          | -1.5            |       |       |       |       |     | 50.6       |
| Diversification                          | -2.8            |       |       |       |       |     | 25.3       |
| Rural Business Climate                   | -2.8            |       |       |       |       |     | 63.5       |
| Soundness of Banks                       | -2.9            |       |       |       |       |     | 60.2       |
| Engagement with Rural Organisations      | -3.2            |       |       |       |       |     | 67.8       |
| Accountability of Public Officials       | -3.6            |       |       |       |       |     | 38.1       |
| Access to Information                    | -4.2            |       |       |       |       |     | 70.8       |
| Violence by Non-state Actors             | -4.4            |       |       |       |       |     | 70.2       |
| Corruption Investigation                 | -5.0            |       |       |       |       |     | 59.9       |
| Free & Fair Elections                    | -5.1            |       |       |       |       |     | 67.6       |
| Statistical Capacity                     | -5.8            |       |       |       |       |     | 49.3       |
| Environmental Policy                     | -7.1            |       |       |       |       |     | 42.9       |
| Political Violence                       | -7.2            |       |       |       |       |     | 59.5       |
| Civil Society Participation              | -8.3            |       |       |       |       |     | 36.9       |
| Corruption & Bureaucracy                 | -9.6            |       |       |       |       |     | 19.0       |
| Equal Representation in Rural Areas      | -10.5           |       |       |       |       |     | 58.3       |
| Legitimacy of Political Process          | -11.1           |       |       |       |       |     | 55.6       |
| Freedom of Association & Assembly        | -11.1           |       |       |       |       |     | 47.2       |
| Education Provision                      | -13.9           |       |       |       |       |     | 71.5       |
| Civil Liberties                          | -14.5           |       |       |       |       |     | 56.3       |
| Ratio of Revenue to Expenditure          | -14.6           |       |       |       |       |     | 30.2       |
| Freedom of Expression                    | -16.5           |       |       |       |       |     | 53.5       |
| Human Resources in Primary Schools       | -17.2           |       |       |       |       |     | 49.7       |
| Domestic Armed Conflict                  | -25.0           |       |       |       |       |     | 25.0       |
| Cross-border Tensions                    | -25.0           |       |       |       |       |     | 25.0       |
| Laws on Violence against Women           | -33.0           |       |       |       |       |     | 50.0       |
| Government Involvement in Armed Conflict | -55.6           |       |       |       |       |     | 44.4       |

No ten-year trend (2006-2015) is available for the *Antiretroviral Treatment (ART) Provision* indicator.

#### KEY

|   |                                  |
|---|----------------------------------|
| ■ | Safety & Rule of Law             |
| ■ | Participation & Human Rights     |
| ■ | Sustainable Economic Opportunity |
| ■ | Human Development                |

# Indicator Data (2000-2015)

12

Score/100; 100 = best

|   | 2000  | 2001  | 2002  | 2003  | 2004  | 2005  | 2006  | 2007  | 2008  | 2009  | 2010  | 2011  | 2012  | 2013  | 2014  | 2015  | Trend 2006-2015 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------|
| <b>OVERALL GOVERNANCE</b>                             | 53.6  | 54.3  | 54.2  | 54.4  | 54.1  | 53.8  | 53.8  | 54.0  | 53.6  | 53.0  | 53.5  | 54.7  | 54.6  | 55.3  | 57.7  | 58.9  | +5.1            |
| <b>SAFETY &amp; RULE OF LAW</b>                       | 57.3  | 57.8  | 56.0  | 57.1  | 56.5  | 56.6  | 55.5  | 53.9  | 53.5  | 54.4  | 53.1  | 54.5  | 52.1  | 50.6  | 54.2  | 56.3  | +0.8            |
| <b>RULE OF LAW</b>                                    | 66.1  | 66.1  | 66.1  | 66.1  | 66.1  | 66.1  | 65.1  | 64.2  | 63.1  | 61.1  | 61.4  | 62.7  | 64.3  | 66.2  | 68.1  | 71.6  | +6.5            |
| Judicial Independence (BS/WEF/GI)                     | 56.8  | 56.8  | 56.8  | 56.8  | 56.8  | 56.8  | 56.8  | 57.0  | 55.1  | 50.8  | 51.6  | 56.7  | 62.6  | 69.3  | 70.6  | 74.3  | +17.5           |
| Judicial Process (EIU/GI)                             | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 54.2  | 66.7  | +16.7           |
| Property Rights (BS/HER/WEF/AfDB/WB)                  | 57.1  | 57.1  | 57.1  | 57.1  | 57.1  | 57.1  | 52.1  | 47.3  | 43.5  | 38.0  | 38.6  | 39.9  | 42.3  | 45.2  | 48.9  | 50.6  | -1.5            |
| Transfers of Power (EIU)                              | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  | 0.0             |
| Sanctions (CDD)                                       | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 0.0             |
| <b>ACCOUNTABILITY</b>                                 | 40.9  | 40.9  | 40.9  | 40.9  | 41.6  | 42.3  | 42.0  | 43.0  | 42.2  | 39.5  | 38.4  | 41.8  | 44.4  | 44.9  | 44.8  | 44.7  | +2.7            |
| Access to Information (GI)                            | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 58.3  | 70.8  | -4.2            |
| Online Services (UNDESA)                              | 22.7  | 22.7  | 22.7  | 22.7  | 20.1  | 33.3  | 36.8  | 40.4  | 43.9  | 39.1  | 34.4  | 48.3  | 62.3  | 61.8  | 61.4  | 61.4  | +24.6           |
| Public Sector Accountability & Transparency (AfDB/WB) | 53.6  | 53.6  | 53.6  | 53.6  | 53.6  | 53.6  | 53.6  | 53.6  | 53.6  | 53.6  | 53.6  | 53.6  | 55.7  | 55.7  | 55.7  | 55.7  | +2.1            |
| Accountability of Public Officials (EIU/BS)           | 45.2  | 45.2  | 45.2  | 45.2  | 45.2  | 45.2  | 41.7  | 38.1  | 34.5  | 31.0  | 34.5  | 38.1  | 38.1  | 38.1  | 38.1  | 38.1  | -3.6            |
| Corruption in Government & Public Officials (EIU)     | 20.0  | 20.0  | 20.0  | 20.0  | 20.0  | 20.0  | 20.0  | 20.0  | 20.0  | 20.0  | 20.0  | 20.0  | 20.0  | 20.0  | 40.0  | 20.0  | 0.0             |
| Corruption & Bureaucracy (WB)                         | 28.6  | 28.6  | 28.6  | 28.6  | 36.6  | 28.6  | 28.6  | 28.6  | 14.3  | 14.3  | 14.3  | 14.3  | 14.3  | 14.3  | 19.0  | 19.0  | -9.6            |
| Diversion of Public Funds (WEF)                       | 15.8  | 15.8  | 15.8  | 15.8  | 15.8  | 15.8  | 15.8  | 25.3  | 34.9  | 21.9  | 15.2  | 25.6  | 30.4  | 34.9  | 34.6  | 32.9  | +17.1           |
| Corruption Investigation (GI/AFR)                     | 66.6  | 66.6  | 66.6  | 66.6  | 66.6  | 66.6  | 64.9  | 63.2  | 61.6  | 60.8  | 60.0  | 59.1  | 59.4  | 59.6  | 51.5  | 59.9  | -5.0            |
| <b>PERSONAL SAFETY</b>                                | 45.1  | 44.6  | 41.4  | 43.4  | 39.6  | 42.1  | 38.5  | 37.2  | 40.0  | 43.2  | 42.7  | 45.5  | 37.8  | 37.0  | 42.9  | 49.7  | +11.2           |
| Safety of the Person (EIU/AFR)                        | 40.4  | 40.4  | 40.4  | 40.4  | 40.4  | 40.4  | 40.4  | 40.4  | 40.4  | 40.4  | 40.4  | 40.4  | 40.7  | 41.0  | 41.3  | 41.3  | +0.9            |
| Police Services (WEF/GI)                              | 13.6  | 13.6  | 13.6  | 13.6  | 13.6  | 13.6  | 13.6  | 19.5  | 23.0  | 19.3  | 14.7  | 15.6  | 18.1  | 21.6  | 40.6  | 57.2  | +43.6           |
| Social Unrest (EIU)                                   | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 0.0             |
| Crime (EIU/AFR)                                       | 45.8  | 45.8  | 45.8  | 45.8  | 41.4  | 37.0  | 35.1  | 33.1  | 31.1  | 34.7  | 38.4  | 42.0  | 41.3  | 40.7  | 40.1  | 40.1  | +5.0            |
| Political Violence (ACLED/PTS)                        | 71.0  | 68.0  | 48.4  | 60.7  | 67.0  | 61.7  | 66.7  | 55.5  | 45.4  | 64.7  | 62.7  | 75.2  | 51.6  | 43.5  | 60.5  | 59.5  | -7.2            |
| Human Trafficking (USDS)                              | 50.0  | 50.0  | 50.0  | 50.0  | 25.0  | 50.0  | 25.0  | 25.0  | 50.0  | 50.0  | 50.0  | 50.0  | 25.0  | 25.0  | 25.0  | 50.0  | +25.0           |
| <b>NATIONAL SECURITY</b>                              | 77.0  | 79.6  | 75.5  | 77.9  | 78.5  | 75.8  | 76.5  | 71.0  | 68.7  | 73.9  | 69.9  | 68.2  | 61.8  | 54.4  | 61.1  | 59.2  | -17.3           |
| Government Involvement in Armed Conflict (UCDP)       | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 88.9  | 88.9  | 88.9  | 88.9  | 44.4  | -55.6           |
| Domestic Armed Conflict (EIU)                         | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | -25.0           |
| Violence by Non-state Actors (ACLED)                  | 66.2  | 81.6  | 61.2  | 81.1  | 85.1  | 69.2  | 74.6  | 33.4  | 28.4  | 80.6  | 78.1  | 78.6  | 41.3  | 0.0   | 36.8  | 70.2  | -4.4            |
| Cross-border Tensions (EIU)                           | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | -25.0           |
| Internally Displaced People (IDMC)                    | 95.9  | 95.9  | 92.1  | 86.5  | 86.4  | 86.0  | 84.6  | 93.0  | 84.7  | 88.3  | 92.0  | 92.2  | 90.8  | 87.8  | 91.1  | 91.3  | +6.7            |
| Political Refugees (UNHCR)                            | 99.8  | 99.8  | 99.8  | 99.8  | 99.7  | 99.7  | 99.6  | 99.5  | 99.4  | 99.4  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.6  | 0.0             |
| <b>PARTICIPATION &amp; HUMAN RIGHTS</b>               | 53.9  | 54.2  | 55.1  | 55.6  | 55.8  | 55.7  | 57.0  | 57.2  | 56.0  | 53.0  | 54.3  | 54.3  | 54.8  | 57.4  | 60.6  | 60.6  | +3.6            |
| <b>PARTICIPATION</b>                                  | 60.9  | 60.9  | 61.8  | 61.8  | 61.8  | 61.8  | 61.8  | 57.6  | 55.4  | 52.5  | 52.3  | 52.1  | 53.7  | 59.6  | 59.8  | 64.5  | +2.7            |
| Political Participation (EIU/FH/AFR)                  | 74.2  | 74.2  | 74.2  | 74.2  | 74.2  | 74.2  | 74.2  | 70.1  | 70.1  | 66.9  | 65.8  | 64.9  | 65.3  | 72.4  | 72.8  | 75.0  | +0.8            |
| Civil Society Participation (BS/GI)                   | 45.2  | 45.2  | 45.2  | 45.2  | 45.2  | 45.2  | 45.2  | 45.2  | 45.2  | 45.2  | 45.2  | 45.2  | 45.2  | 45.2  | 49.4  | 36.9  | -8.3            |
| Free & Fair Elections (BS/CDD/FH)                     | 68.5  | 68.5  | 72.7  | 72.7  | 72.7  | 72.7  | 72.7  | 56.0  | 50.5  | 44.9  | 44.9  | 44.9  | 46.8  | 63.9  | 65.7  | 67.6  | -5.1            |
| Election Monitoring Agencies (GI)                     | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 87.5  | 87.5  | +37.5           |
| Legitimacy of Political Process (BS)                  | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  | 61.1  | 55.6  | 55.6  | 55.6  | 61.1  | 66.7  | 61.1  | 55.6  | -11.1           |
| <b>RIGHTS</b>   | 40.5  | 41.6  | 44.2  | 45.4  | 46.3  | 46.5  | 50.3  | 54.1  | 52.2  | 47.9  | 52.4  | 54.2  | 52.8  | 51.7  | 55.2  | 50.7  | +0.4            |
| Freedom of Expression (BS/FH/RSF/GI)                  | 63.7  | 64.7  | 64.3  | 66.9  | 66.6  | 67.5  | 70.0  | 72.4  | 69.6  | 67.8  | 71.5  | 75.0  | 74.6  | 72.4  | 70.5  | 53.5  | -16.5           |
| Freedom of Association & Assembly (BS/GI)             | 52.8  | 52.8  | 52.8  | 52.8  | 52.8  | 52.8  | 58.3  | 63.9  | 55.6  | 47.2  | 52.8  | 58.3  | 58.3  | 58.3  | 52.8  | 47.2  | -11.1           |
| Civil Liberties (BS/FH)                               | 47.9  | 47.9  | 56.3  | 64.6  | 64.6  | 64.6  | 70.8  | 77.1  | 74.0  | 62.5  | 70.8  | 70.8  | 59.4  | 56.3  | 56.3  | 56.3  | -14.5           |
| Human Rights Conventions (UNOLA/OHCHR)                | 38.1  | 42.9  | 47.6  | 42.9  | 47.6  | 47.6  | 52.4  | 57.1  | 61.9  | 61.9  | 66.7  | 66.7  | 71.4  | 71.4  | 71.4  | 71.4  | +19.0           |
| Human Rights Violations (EIU)                         | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 25.0  | 25.0  | +25.0           |
| <b>GENDER</b>   | 60.3  | 60.1  | 59.4  | 59.6  | 59.2  | 58.7  | 58.9  | 59.8  | 60.5  | 58.5  | 58.3  | 56.7  | 57.9  | 60.8  | 66.9  | 66.7  | +7.8            |
| Gender Equality (AfDB/WB)                             | 57.5  | 57.5  | 57.5  | 57.5  | 57.5  | 51.3  | 51.3  | 57.5  | 57.5  | 57.5  | 67.5  | 67.5  | 69.6  | 73.8  | 71.7  | 71.7  | +20.4           |
| Women's Political Participation (IPU/GI/WB)           | 26.4  | 26.4  | 26.4  | 29.1  | 29.1  | 29.1  | 29.7  | 30.1  | 32.6  | 33.0  | 33.5  | 33.6  | 33.7  | 45.1  | 56.1  | 54.5  | +24.8           |
| Gender Balance in Education (UNESCO)                  | 80.5  | 79.5  | 75.4  | 75.0  | 73.3  | 76.6  | 77.1  | 76.5  | 78.3  | 77.1  | 78.9  | 80.8  | 82.6  | 83.1  | 83.5  | 83.5  | +6.4            |
| Women's Labour Force Participation (WB)               | 66.6  | 65.8  | 64.9  | 64.1  | 63.5  | 62.8  | 63.1  | 63.3  | 63.7  | 64.1  | 64.5  | 64.8  | 65.1  | 65.4  | 65.7  | 65.7  | +2.6            |
| Workplace Gender Equality (GI)                        | 33.3  | 33.3  | 33.3  | 33.3  | 33.3  | 33.3  | 33.3  | 33.3  | 33.3  | 33.3  | 33.3  | 33.3  | 33.3  | 33.3  | 66.7  | 66.7  | +33.4           |
| Women in the Judiciary (GI)                           | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 0.0             |
| Laws on Violence against Women (OECD)                 | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 69.2  | 55.4  | 41.7  | 45.8  | 50.0  | 50.0  | 50.0  | -33.0           |
| <b>SUSTAINABLE ECONOMIC OPPORTUNITY</b>               | 48.6  | 48.3  | 48.8  | 48.6  | 48.2  | 47.1  | 47.0  | 48.7  | 47.8  | 46.2  | 48.4  | 49.2  | 50.7  | 51.5  | 53.6  | 54.8  | +7.8            |
| <b>PUBLIC MANAGEMENT</b>                              | 52.7  | 51.2  | 52.8  | 51.7  | 53.7  | 53.1  | 52.3  | 55.1  | 54.6  | 52.3  | 51.9  | 52.5  | 52.8  | 52.0  | 55.1  | 54.3  | +2.0            |
| Statistical Capacity (WB)                             | 62.3  | 62.3  | 62.3  | 62.3  | 62.3  | 55.1  | 55.1  | 59.4  | 62.3  | 59.4  | 59.4  | 58.0  | 53.6  | 46.4  | 49.3  | 49.3  | -5.8            |
| Public Administration (AfDB/WB)                       | 70.8  | 70.8  | 70.8  | 70.8  | 70.8  | 70.8  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 80.7  | 79.2  | 79.2  | 0.0             |
| Diversification (AfDB/OECD/UNDP)                      | 14.9  | 14.3  | 26.4  | 24.6  | 29.1  | 28.0  | 28.1  | 31.0  | 30.0  | 23.2  | 19.9  | 21.6  | 23.0  | 22.5  | 25.3  | 25.3  | -2.8            |

Score/100; 100 = best

|   | 2000  | 2001  | 2002  | 2003  | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | Trend 2006-2015 |
|---|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------|
| Budget Management (AfDB/WB)                       | 61.1  | 61.1  | 61.1  | 61.1  | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 65.3 | 72.2 | 66.7 | 66.7 | +5.6            |
| Ratio of Revenue to Expenditure (AfDB/AUC/UNECA)  | 62.4  | 51.1  | 52.2  | 45.2  | 56.3 | 58.3 | 44.8 | 54.3 | 44.7 | 42.4 | 36.0 | 40.8 | 34.9 | 31.8 | 36.0 | 30.2 | -14.6           |
| Fiscal Policy (AfDB/WB)                           | 76.2  | 76.2  | 76.2  | 76.2  | 76.2 | 76.2 | 76.2 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 88.9 | 88.9 | 81.7 | 81.7 | +5.5            |
| Revenue Mobilisation (ICTD/AfDB/WB)               | 48.6  | 48.8  | 48.6  | 48.6  | 48.9 | 50.3 | 49.1 | 49.2 | 52.7 | 52.4 | 52.6 | 52.7 | 52.7 | 48.6 | 52.3 | 52.3 | +3.2            |
| Transparency of State-owned Companies (GI)        | 25.0  | 25.0  | 25.0  | 25.0  | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 50.0 | 50.0 | +25.0           |
| <b>BUSINESS ENVIRONMENT</b>                       | 50.5  | 50.5  | 50.5  | 50.5  | 46.6 | 42.7 | 42.5 | 43.4 | 42.8 | 41.0 | 41.4 | 41.7 | 41.9 | 43.4 | 49.2 | 52.9 | +10.4           |
| Investment Climate (HER)                          | 55.6  | 55.6  | 55.6  | 55.6  | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 50.0 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 66.7 | +11.1           |
| Competition (BS/GI/AfDB/WB)                       | 69.2  | 69.2  | 69.2  | 69.2  | 69.2 | 69.2 | 71.4 | 73.6 | 71.4 | 69.2 | 69.2 | 69.2 | 67.5 | 65.8 | 66.5 | 76.2 | +4.8            |
| Bureaucracy & Red Tape (EIU)                      | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 25.0 | 33.3 | +33.3           |
| Customs Procedures (WEF)                          | 38.1  | 38.1  | 38.1  | 38.1  | 38.1 | 38.1 | 38.1 | 38.1 | 34.8 | 38.3 | 40.1 | 39.7 | 42.6 | 47.8 | 47.4 | 46.0 | +7.9            |
| Soundness of Banks (WEF)                          | 63.1  | 63.1  | 63.1  | 63.1  | 63.1 | 63.1 | 63.1 | 69.9 | 75.1 | 68.2 | 62.1 | 63.5 | 59.5 | 60.7 | 65.4 | 60.2 | -2.9            |
| Employment Creation (AFR)                         | 77.0  | 77.0  | 77.0  | 77.0  | 53.5 | 30.0 | 26.6 | 23.2 | 19.8 | 20.5 | 21.2 | 21.9 | 26.3 | 30.6 | 35.0 | 35.0 | +8.4            |
| <b>INFRASTRUCTURE</b>                             | 28.5  | 28.6  | 28.8  | 29.1  | 29.4 | 29.8 | 30.2 | 32.1 | 33.2 | 35.4 | 38.3 | 41.2 | 45.3 | 45.7 | 47.5 | 48.0 | +17.8           |
| Transport Infrastructure (WEF/AFR/EIU/GI)         | 32.9  | 32.9  | 32.9  | 32.9  | 32.9 | 32.9 | 32.9 | 35.5 | 36.0 | 39.9 | 45.9 | 49.8 | 49.3 | 49.4 | 56.2 | 56.1 | +23.2           |
| Electricity Infrastructure (WEF/AFR)              | 50.3  | 50.3  | 50.3  | 50.3  | 50.3 | 50.3 | 50.3 | 54.0 | 57.1 | 56.7 | 53.3 | 54.0 | 55.7 | 57.1 | 57.7 | 56.3 | +6.0            |
| Digital & IT Infrastructure (EIU/ITU)             | 0.9   | 1.2   | 1.5   | 2.3   | 3.0  | 4.2  | 5.6  | 8.2  | 9.8  | 11.1 | 16.5 | 20.4 | 40.9 | 43.4 | 46.7 | 50.3 | +44.7           |
| Access to Water (WHO/UNICEF)                      | 27.5  | 28.2  | 28.8  | 29.5  | 30.1 | 30.8 | 31.4 | 32.0 | 32.6 | 33.2 | 33.8 | 34.4 | 35.0 | 35.5 | 36.1 | 36.2 | +4.8            |
| Water & Sanitation Services (AFR)                 | 30.7  | 30.7  | 30.7  | 30.7  | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 | 36.4 | 42.0 | 47.6 | 45.4 | 43.2 | 41.0 | 41.0 | +10.3           |
| <b>RURAL SECTOR</b>                               | 62.9  | 62.9  | 62.9  | 62.9  | 62.9 | 62.9 | 62.9 | 64.4 | 60.4 | 55.9 | 61.9 | 61.4 | 62.9 | 64.8 | 62.4 | 63.9 | +1.0            |
| Rural Business Climate (IFAD)                     | 66.3  | 66.3  | 66.3  | 66.3  | 66.3 | 66.3 | 66.3 | 66.3 | 71.2 | 63.5 | 74.0 | 66.5 | 69.4 | 60.6 | 63.5 | 63.5 | -2.8            |
| Rural Development Resources (IFAD)                | 62.5  | 62.5  | 62.5  | 62.5  | 62.5 | 62.5 | 62.5 | 62.5 | 50.0 | 50.0 | 56.3 | 56.3 | 56.3 | 62.5 | 62.5 | 62.5 | 0.0             |
| Agricultural Support System (IFAD)                | 72.1  | 72.1  | 72.1  | 72.1  | 72.1 | 72.1 | 72.1 | 72.1 | 55.9 | 55.9 | 65.1 | 65.1 | 65.1 | 74.3 | 74.3 | 74.3 | +2.2            |
| Agricultural Policy Costs (WEF)                   | 49.0  | 49.0  | 49.0  | 49.0  | 49.0 | 49.0 | 49.0 | 60.5 | 73.1 | 61.3 | 54.9 | 58.7 | 61.2 | 59.5 | 62.2 | 60.1 | +11.1           |
| Rural Land & Water (IFAD)                         | 53.3  | 53.3  | 53.3  | 53.3  | 53.3 | 53.3 | 53.3 | 53.3 | 61.3 | 61.3 | 64.4 | 64.4 | 64.4 | 64.4 | 61.2 | 64.4 | +11.1           |
| Engagement with Rural Organisations (IFAD)        | 71.0  | 71.0  | 71.0  | 71.0  | 71.0 | 71.0 | 71.0 | 71.0 | 65.3 | 65.3 | 67.8 | 67.8 | 67.8 | 67.8 | 65.3 | 67.8 | -3.2            |
| Equal Representation in Rural Areas (IFAD)        | 68.8  | 68.8  | 68.8  | 68.8  | 68.8 | 68.8 | 68.8 | 68.8 | 58.3 | 41.8 | 58.3 | 58.3 | 58.3 | 68.8 | 50.0 | 58.3 | -10.5           |
| Rural Accountability & Transparency (IFAD)        | 60.5  | 60.5  | 60.5  | 60.5  | 60.5 | 60.5 | 60.5 | 60.5 | 48.4 | 48.4 | 54.5 | 54.5 | 60.5 | 60.5 | 60.5 | 60.5 | 0.0             |
| <b>HUMAN DEVELOPMENT</b>                          | 54.6  | 56.9  | 57.0  | 56.4  | 56.0 | 55.8 | 55.8 | 56.3 | 57.2 | 58.7 | 58.1 | 60.7 | 60.8 | 61.6 | 62.2 | 63.8 | +8.0            |
| <b>WELFARE</b>                                    | 44.4  | 44.4  | 44.4  | 44.4  | 44.0 | 43.6 | 43.2 | 43.2 | 43.0 | 45.4 | 45.9 | 46.4 | 48.5 | 51.7 | 53.8 | 55.1 | +11.9           |
| Welfare Services (AfDB/WB)                        | 59.7  | 59.7  | 59.7  | 59.7  | 59.7 | 59.7 | 65.7 | 65.7 | 71.7 | 78.9 | 78.9 | 78.9 | 78.9 | 80.9 | 82.9 | 82.9 | +17.2           |
| Social Safety Nets (BS)                           | 38.5  | 38.5  | 38.5  | 38.5  | 38.5 | 38.5 | 38.5 | 38.5 | 34.6 | 30.8 | 30.8 | 30.8 | 38.5 | 46.2 | 50.0 | 53.8 | +15.3           |
| Social Protection & Labour (AfDB/WB)              | 61.9  | 61.9  | 61.9  | 61.9  | 61.9 | 61.9 | 56.3 | 61.9 | 61.9 | 69.0 | 69.0 | 69.0 | 69.0 | 75.7 | 75.7 | 75.7 | +19.4           |
| Social Exclusion (BS)                             | 14.3  | 14.3  | 14.3  | 14.3  | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 21.4 | 28.6 | +14.3           |
| Poverty (AFR)                                     | 54.8  | 54.8  | 54.8  | 54.8  | 51.3 | 47.8 | 47.6 | 47.5 | 47.3 | 46.0 | 44.8 | 43.5 | 50.0 | 56.5 | 63.0 | 63.0 | +15.4           |
| Poverty Reduction Priorities (AFR/AfDB/WB)        | 32.4  | 32.4  | 32.4  | 32.4  | 32.4 | 32.4 | 42.3 | 38.7 | 41.8 | 45.5 | 49.3 | 52.6 | 53.3 | 56.2 | 58.0 | 58.0 | +15.7           |
| Narrowing Income Gaps (AFR)                       | 27.8  | 27.8  | 27.8  | 27.8  | 27.8 | 27.8 | 21.1 | 14.3 | 7.5  | 10.0 | 12.5 | 14.9 | 18.5 | 22.0 | 25.5 | 25.5 | +4.4            |
| Environmental Policy (BS)                         | 57.1  | 57.1  | 57.1  | 57.1  | 57.1 | 57.1 | 50.0 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | -7.1            |
| Environmental Sustainability (AfDB/WB)            | 52.8  | 52.8  | 52.8  | 52.8  | 52.8 | 52.8 | 52.8 | 65.3 | 65.3 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 65.3 | 65.3 | +12.5           |
| <b>EDUCATION</b>                                  | 62.4  | 62.3  | 62.2  | 61.7  | 61.1 | 60.2 | 59.0 | 59.3 | 60.8 | 62.2 | 62.4 | 62.8 | 61.1 | 61.0 | 62.3 | 61.8 | +2.8            |
| Education Provision (AFR)                         | 100.0 | 100.0 | 100.0 | 100.0 | 94.6 | 89.3 | 85.4 | 81.5 | 77.6 | 76.7 | 75.7 | 74.8 | 73.7 | 72.6 | 71.5 | 71.5 | -13.9           |
| Education Quality (BS)                            | 66.7  | 66.7  | 66.7  | 66.7  | 66.7 | 66.7 | 58.3 | 50.0 | 58.3 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | +8.4            |
| Educational System Management (WEF)               | 63.4  | 63.4  | 63.4  | 63.4  | 63.4 | 63.4 | 63.4 | 75.3 | 75.6 | 75.8 | 78.4 | 82.7 | 71.1 | 69.0 | 78.1 | 72.8 | +9.4            |
| Human Resources in Primary Schools (UNESCO)       | 75.0  | 75.0  | 75.0  | 70.9  | 69.2 | 66.4 | 66.9 | 66.4 | 64.6 | 64.8 | 59.8 | 54.8 | 49.7 | 49.7 | 49.7 | 49.7 | -17.2           |
| Primary School Completion (WB)                    | 73.6  | 73.6  | 73.6  | 73.6  | 73.6 | 75.6 | 77.1 | 78.5 | 79.9 | 81.3 | 82.7 | 84.1 | 85.5 | 86.9 | 88.3 | 88.3 | +11.2           |
| Secondary School Enrolment (UNESCO)               | 32.6  | 33.6  | 34.2  | 36.3  | 40.3 | 40.9 | 43.1 | 45.6 | 52.2 | 53.2 | 55.6 | 57.9 | 60.3 | 60.3 | 60.3 | 60.3 | +17.2           |
| Tertiary Education Enrolment (UNESCO)             | 4.1   | 4.2   | 4.2   | 4.3   | 4.4  | 4.4  | 4.9  | 5.3  | 5.8  | 6.2  | 6.2  | 6.2  | 6.2  | 6.2  | 6.2  | 6.2  | +1.3            |
| Literacy (UNESCO)                                 | 83.8  | 82.0  | 80.3  | 78.5  | 76.7 | 74.9 | 73.2 | 71.4 | 72.3 | 73.2 | 74.1 | 75.0 | 75.9 | 76.8 | 77.7 | 78.6 | +5.4            |
| <b>HEALTH</b>                                     | 56.9  | 64.1  | 64.4  | 63.1  | 63.0 | 63.5 | 65.3 | 66.4 | 67.9 | 68.4 | 66.0 | 73.1 | 72.8 | 72.1 | 70.6 | 74.5 | +9.2            |
| Basic Health Services (AFR)                       | 82.7  | 82.7  | 82.7  | 82.7  | 78.1 | 73.6 | 72.2 | 70.9 | 69.5 | 70.1 | 70.7 | 71.3 | 71.4 | 71.5 | 71.6 | 71.6 | -0.6            |
| Public Health Campaigns (GI)                      | 75.0  | 75.0  | 75.0  | 75.0  | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 50.0 | 75.0 | 0.0             |
| Child Mortality (IGME)                            | 57.5  | 59.2  | 61.1  | 63.1  | 65.3 | 67.6 | 69.7 | 71.8 | 74.5 | 76.4 | 78.1 | 79.7 | 81.0 | 82.0 | 83.0 | 83.8 | +14.1           |
| Maternal Mortality (MMEIG)                        | 71.6  | 71.4  | 71.3  | 71.2  | 71.9 | 72.8 | 73.7 | 74.6 | 75.3 | 76.4 | 77.4 | 78.2 | 79.0 | 79.9 | 80.4 | 81.0 | +7.3            |
| Access to Sanitation (WHO/UNICEF)                 | 51.8  | 52.1  | 52.3  | 52.6  | 52.9 | 53.2 | 53.5 | 53.8 | 54.1 | 54.4 | 54.7 | 54.9 | 55.2 | 55.5 | 55.8 | 55.8 | +2.3            |
| Undernourishment (WB)                             | 50.9  | 50.9  | 49.5  | 47.1  | 47.8 | 51.8 | 58.3 | 61.7 | 62.8 | 62.8 | 64.4 | 66.2 | 68.0 | 69.2 | 70.3 | 70.9 | +12.6           |
| Disease (WHO)                                     | 42.5  | 42.5  | 42.5  | 42.5  | 42.5 | 42.5 | 42.5 | 43.8 | 45.4 | 47.1 | 48.8 | 92.1 | 91.6 | 91.9 | 90.5 | 90.5 | +48.0           |
| Immunisation (WB/WHO)                             | 80.0  | 78.9  | 80.7  | 70.4  | 70.8 | 71.4 | 77.5 | 79.4 | 86.3 | 84.8 | 83.2 | 87.2 | 86.0 | 75.2 | 79.0 | 79.0 | +1.5            |
| Antiretroviral Treatment (ART) Provision (UNAIDS) | 0.0   | .     | .     | .     | .    | .    | .    | .    | .    | .    | .    | .    | 41.5 | 52.9 | 48.2 | 48.6 | .               |

## Indicators: Definitions & Sources

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| <b>Safety &amp; Rule of Law</b> |  |  |
|---------------------------------|--|--|
| <b>Rule of Law</b>              |  |  |
| 1                               | <i>Judicial Independence</i> (BS/WEF/GI)                         | Independence of the judiciary from the influence of external actors; whether the judiciary has the ability and autonomy to interpret and review existing laws, legislation and policy; and the integrity of the process of appointing and removing national-level judges. It consists of three sub-indicators. |
| 2                               | <i>Judicial Process</i> (EIU/GI)                                 | Extent to which the legal process is free from interference, and the existence of formal judicial reasoning. It consists of two sub-indicators.  |
| 3                               | <i>Property Rights</i> (BS/HER/WEF/AfDB/WB)                      | Extent to which the government protects and enforces private property and contract rights. It consists of four sub-indicators.   |
| 4                               | <i>Transfers of Power</i> (EIU)                                  | Degree to which constitutional mechanisms are clear, established and accepted for the orderly transfer of power from one government to the next.   |
| 5                               | <i>Sanctions</i> (CDD)   | Imposition of sanctions by the United Nations and/or the African Union on a state and/or governmental and/or non-governmental actors.  |
| <b>Accountability</b>           |  |  |
| 1                               | <i>Access to Information</i> (GI)                                | Extent to which public and legislative records are accessible. It consists of two sub-indicators.  |
| 2                               | <i>Online Services</i> (UNDESA)                                  | Extent to which the government uses ICT to deliver public services at national level.  |
| 3                               | <i>Public Sector Accountability &amp; Transparency</i> (AfDB/WB) | Extent to which the executive and public employees can be held to account by the electorate, legislative and judiciary. It consists of two sub-indicators.   |
| 4                               | <i>Accountability of Public Officials</i> (EIU/BS)               | Extent of accountability of public officials and degree to which there are penalties if they abuse their positions. It consists of two sub-indicators.   |
| 5                               | <i>Corruption in Government &amp; Public Officials</i> (EIU)     | Level of vested interest/cronyism and corruption in the public sector.   |
| 6                               | <i>Corruption &amp; Bureaucracy</i> (WB)                         | Degree of intrusiveness of bureaucracy, amount of red tape likely to be encountered and likelihood of encountering corruption among officials and other groups.  |
| 7                               | <i>Diversion of Public Funds</i> (WEF)                           | Prevalence of the diversion of public funds to companies, individuals or groups due to corruption.   |
| 8                               | <i>Corruption Investigation</i> (GI/AFR)                         | Extent to which allegations of corruption in the public sector and the executive are investigated by an independent body, and extent to which the public are satisfied with how the government is fighting corruption. It consists of three sub-indicators.  |
| <b>Personal Safety</b>          |  |  |
| 1                               | <i>Safety of the Person</i> (EIU/AFR)                            | Perceived level of criminality, and public perceptions of neighbourhood safety. It consists of two sub-indicators.   |
| 2                               | <i>Police Services</i> (WEF/GI)                                  | Reliability of the police and the extent to which allegations of police misconduct and abuse of force are investigated. It consists of two sub-indicators.   |
| 3                               | <i>Social Unrest</i> (EIU)                                       | Prevalence of violent social unrest.   |
| 4                               | <i>Crime</i> (EIU/AFR)   | Prevalence of violence crime; public perception of violent crime; and degree to which the public are satisfied with how the government is reducing crime. It consists of three sub-indicators.   |
| 5                               | <i>Political Violence</i> (ACLED/PTS)                            | Level of violence and violations of physical integrity rights committed against civilians by the state. It consists of two sub-indicators.   |
| 6                               | <i>Human Trafficking</i> (USDS)                                  | Nature and scope of trafficking in persons and government actions to confront and eliminate it.  |
| <b>National Security</b>        |  |  |
| 1                               | <i>Government Involvement in Armed Conflict</i> (UCDP)           | Degree of direct or indirect involvement of the government in an armed conflict which results in at least 25 annual battle-related deaths.   |
| 2                               | <i>Domestic Armed Conflict</i> (EIU)                             | Level of internal conflict and/or civil war, or the likelihood of conflict developing in the near future.  |
| 3                               | <i>Violence by Non-state Actors</i> (ACLED)                      | Degree of violence against civilians perpetrated by rebel groups, political militias and identity militias.  |

|   |   |   |
|---|---|---|
| 4 | <i>Cross-border Tensions</i> (EIU)        | Level of potential threats to economic and political stability due to international disputes or tensions. |
| 5 | <i>Internally Displaced People</i> (IDMC) | People displaced within a country due to violence, conflict and violations of human rights.               |
| 6 | <i>Political Refugees</i> (UNHCR)         | People fleeing the country due to fear of persecution.  |

## Participation & Human Rights

### Participation

|   |  |   |
|---|--|---|
| 1 | <i>Political Participation</i> (EIU/FH/AFR)  | Extent to which citizens are free to participate in the political process, join a political organisation and choose who to vote for without feeling pressured. It consists of three sub-indicators.                                   |
| 2 | <i>Civil Society Participation</i> (BS/GI)   | Extent to which the government enables the participation of civil society in the political process; allows NGOs to organise freely; and does not persecute or harass NGO employees. It consists of two sub-indicators.                |
| 3 | <i>Free &amp; Fair Elections</i> (BS/CDD/FH) | Extent to which executive and legislative elections are free and fair, including impartiality of the electoral laws and framework. It consists of three sub-indicators.   |
| 4 | <i>Election Monitoring Agencies</i> (GI)     | Extent to which the agencies mandated to organise and monitor national elections are protected from political interference and make public reports available before and after a national election. It consists of two sub-indicators. |
| 5 | <i>Legitimacy of Political Process</i> (BS)  | Extent to which democratically elected political representatives have effective power to govern or to which there are veto powers and political enclaves.   |

### Rights

|   |  |  |
|---|--|--|
| 1 | <i>Freedom of Expression</i> (BS/FH/RSF/GI)          | Extent to which citizens and organisations can express opinions freely; the degree of print, broadcast and internet freedom; and the existence of media and citizen self-censorship. It consists of four sub-indicators. |
| 2 | <i>Freedom of Association &amp; Assembly</i> (BS/GI) | Extent to which citizens can associate freely in public and participate in civic and political organisations, and workers can organise into trade unions. It consists of two sub-indicators.                             |
| 3 | <i>Civil Liberties</i> (BS/FH)                       | Extent to which citizens enjoy civil liberties and can seek redress for violations of these rights. It consists of two sub-indicators.   |
| 4 | <i>Human Rights Conventions</i> (UNOLA/OHCHR)        | Ratification of the nine core international human rights conventions, and two optional protocols on children, and the submission of reports to the relevant bodies.  |
| 5 | <i>Human Rights Violations</i> (EIU)                 | Likelihood of a state being accused of serious human rights violations.  |

### Gender

|   |  |   |
|---|--|---|
| 1 | <i>Gender Equality</i> (AfDB/WB)                   | Extent to which the government promotes equal access for men and women to human capital development opportunities and productive and economic resources, and provides equal status and protection under the law. It consists of two sub-indicators. |
| 2 | <i>Women's Political Participation</i> (IPU/GI/WB) | Extent to which women are represented in the legislative and executive. It consists of two sub-indicators.  |
| 3 | <i>Gender Balance in Education</i> (UNESCO)        | Ratio of girls to boys enrolled at primary and lower secondary levels in public and private schools.  |
| 4 | <i>Women's Labour Force Participation</i> (WB)     | Female population, 15 and older, that is economically active.   |
| 5 | <i>Workplace Gender Equality</i> (GI)              | Extent to which women receive equal pay and benefits to men for performing the same job, have equal opportunities to be hired or promoted and are not discriminated against as a result of pregnancy.   |
| 6 | <i>Women in the Judiciary</i> (GI)                 | Extent to which at least a third of the members of the highest branch of the judiciary are women.   |
| 7 | <i>Laws on Violence against Women</i> (OECD)       | Existence of women's legal protection from rape, assault and sexual harassment.   |

| <b>Sustainable Economic Opportunity</b> |   |   |
|---|---|---|
| <b>Public Management</b>                |   |   |
| 1                                       | <i>Statistical Capacity</i> (WB)                        | Capacity of national statistical systems in terms of methodology, data sources, periodicity and timeliness.   |
| 2                                       | <i>Public Administration</i> (AfDB/WB)                  | Effectiveness of the civilian central government in designing and implementing policy, delivering public services and managing human resources. It consists of two sub-indicators.  |
| 3                                       | <i>Diversification</i> (AfDB/OECD/UNDP)                 | Extent to which exports are diversified.  |
| 4                                       | <i>Budget Management</i> (AfDB/WB)                      | Extent to which there is a comprehensive and credible budget linked to policy priorities, effective financial management and fiscal reporting. It consists of two sub-indicators.   |
| 5                                       | <i>Ratio of Revenue to Expenditure</i> (AfDB/AUC/UNECA) | Total budget revenue as a proportion of total budget expenditure.   |
| 6                                       | <i>Fiscal Policy</i> (AfDB/WB)                          | Quality and sustainability of fiscal policy. It consists of two sub-indicators.   |
| 7                                       | <i>Revenue Mobilisation</i> (ICTD/AfDB/WB)              | Overall pattern of domestic resource mobilisation. It consists of two sub-indicators.   |
| 8                                       | <i>Transparency of State-owned Companies</i> (GI)       | Extent to which the financial records of state-owned companies are available online or offline to journalists, auditors and citizens in a timely and cost-efficient manner.   |
| <b>Business Environment</b>             |   |   |
| 1                                       | <i>Investment Climate</i> (HER)                         | Degree of economic freedom based on constraints on the flow of investment capital.  |
| 2                                       | <i>Competition</i> (BS/GI/AfDB/WB)                      | Business regulatory environment; the level of market-based competition; and the quality of the competitive bidding process. It consists of three sub-indicators.  |
| 3                                       | <i>Bureaucracy &amp; Red Tape</i> (EIU)                 | Extent of red tape, including bureaucratic delay and complexity in obtaining the appropriate documentation or authorisation to engage in business activities.   |
| 4                                       | <i>Customs Procedures</i> (WEF)                         | Level of efficiency of customs procedures relating to the entry and exit of merchandise.  |
| 5                                       | <i>Soundness of Banks</i> (WEF)                         | Soundness of banks, ranging from the requirement of recapitalisation to being generally healthy with sound balance sheets.  |
| 6                                       | <i>Employment Creation</i> (AFR)                        | Extent to which the public are satisfied with how the government is handling creating jobs.   |
| <b>Infrastructure</b>                   |   |   |
| 1                                       | <i>Transport Infrastructure</i> (WEF/AFR/EIU/GI)        | Extent to which the public are satisfied with government maintenance of roads and bridges, the adequacy of the rail network for business needs; and quality of air transport and aviation safety. It consists of four sub-indicators. |
| 2                                       | <i>Electricity Infrastructure</i> (WEF/AFR)             | Quality of the electricity supply and level of public satisfaction with the provision of a reliable electricity supply by the government. It consists of two sub-indicators.  |
| 3                                       | <i>Digital &amp; IT Infrastructure</i> (EIU/ITU)        | Extent to which IT infrastructure is adequate for business needs; subscriptions to a mobile telephone service; households with a computer; and household access to Internet. It consists of four sub-indicators.                      |
| 4                                       | <i>Access to Water</i> (WHO/UNICEF)                     | Population with access to piped drinking water, and population with access to an improved drinking water source. It consists of two sub-indicators.   |
| 5                                       | <i>Water &amp; Sanitation Services</i> (AFR)            | Extent to which the public are satisfied with government provision of water and sanitation services.  |
| <b>Rural Sector</b>                     |   |   |
| 1                                       | <i>Rural Business Climate</i> (IFAD)                    | Extent to which the policy and institutional framework supports the development of private rural businesses and commercially-based agricultural and rural finance markets. It consists of three sub-indicators.                       |
| 2                                       | <i>Rural Development Resources</i> (IFAD)               | Government policies, strategies and investment programmes for the agricultural and rural development sector, and the efficiency, consistency and transparency with which resources are allocated, managed and accounted for.          |



|   |   |  |
|---|---|--|
| 3 | <i>Agricultural Support System</i> (IFAD)             | Extent to which low-income farmers, including women, have access to agricultural research and the extension system, and whether it is responsive to their needs and priorities.                                  |
| 4 | <i>Agricultural Policy Costs</i> (WEF)                | Nature of agricultural policy, ranging from excessively burdensome for the economy to balancing the interests of taxpayers, consumers and producers.   |
| 5 | <i>Rural Land &amp; Water</i> (IFAD)                  | Extent to which the rural poor have secure access to land and equitable user-rights over water resources for agriculture. It consists of two sub-indicators.   |
| 6 | <i>Engagement with Rural Organisations</i> (IFAD)     | Extent to which the rural poor can organise for collective action and engage in dialogue with the government. It consists of two sub-indicators.   |
| 7 | <i>Equal Representation in Rural Areas</i> (IFAD)     | Extent to which laws, policies, institutions and practices promote equal representation of men and women in local decision-making.   |
| 8 | <i>Rural Accountability &amp; Transparency</i> (IFAD) | Extent to which there is local level accountability of the executive and legislature, including public employees and elected officials, to low-income rural populations for use of funds and results of actions. |

## Human Development

### Welfare

|   |   |   |
|---|---|---|
| 1 | <i>Welfare Services</i> (AfDB/WB)                 | National policies and service delivery that affect access to and quality of health and education related services. It consists of two sub-indicators.   |
| 2 | <i>Social Safety Nets</i> (BS)                    | Extent to which there is equality of opportunity in society and there are social safety nets which compensate for poverty and other risks, such as old age, illness, unemployment or disability.  |
| 3 | <i>Social Protection &amp; Labour</i> (AfDB/WB)   | Effectiveness of social protection and labour policies. It consists of two sub-indicators.  |
| 4 | <i>Social Exclusion</i> (BS)                      | Extent to which significant parts of the population are fundamentally excluded from society due to poverty and inequality (taking into account factors such as income and education inequality and religious, ethnic and gender exclusion).   |
| 5 | <i>Poverty</i> (AFR)                              | Quality of living conditions of the public, and extent to which the public have gone without enough food to eat, clean water for home use and fuel to cook food in the past year. It consists of four sub-indicators.   |
| 6 | <i>Poverty Reduction Priorities</i> (AFR/AfDB/WB) | Level of public satisfaction with how the government is improving the living standards of the poor; and extent to which public expenditure and revenue collection affects poor populations and is consistent with national poverty reduction priorities. It consists of two sub-indicators. |
| 7 | <i>Narrowing Income Gaps</i> (AFR)                | Extent to which the public are satisfied with how the government is narrowing income gaps.  |
| 8 | <i>Environmental Policy</i> (BS)                  | Extent to which environmental concerns are effectively taken into account in both macro- and micro-economic policymaking.   |
| 9 | <i>Environmental Sustainability</i> (AfDB/WB)     | Extent to which environmental policies promote the protection and sustainable use of natural resources and the management of pollution. It consists of two sub-indicators.  |

### Education

|   |  |  |
|---|--|--|
| 1 | <i>Education Provision</i> (AFR)                   | Extent to which the public are satisfied with how the government is addressing educational needs.                                  |
| 2 | <i>Education Quality</i> (BS)                      | Extent to which there are solid institutions for basic, secondary and tertiary education, as well as for research and development. |
| 3 | <i>Educational System Management</i> (WEF)         | Extent to which the educational system meets the needs of a competitive economy.   |
| 4 | <i>Human Resources in Primary Schools</i> (UNESCO) | Pupils enrolled in primary school in relation to the number of primary school teachers.  |
| 5 | <i>Primary School Completion</i> (WB)              | Students completing the last year of primary school, in relation to the population of the age group for that level.                |

## Indicators: Definitions & Sources

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|               |  |  |
|---------------|--|--|
| 6             | <i>Secondary School Enrolment</i> (UNESCO)               | Enrolment in secondary education, regardless of age, in relation to the population of the age group for that level.  |
| 7             | <i>Tertiary Education Enrolment</i> (UNESCO)             | Enrolment in tertiary education, regardless of age, in relation to the population of the age group for that level.   |
| 8             | <i>Literacy</i> (UNESCO)                                 | Population aged 15 or over who can both read and write a short simple statement on their everyday life.  |
| <b>Health</b> |  |  |
| 1             | <i>Basic Health Services</i> (AFR)                       | Extent to which the public are satisfied with how the government is improving basic health services.   |
| 2             | <i>Public Health Campaigns</i> (GI)                      | Extent to which all citizens can find information and guidelines on common illnesses, and public health hazards such as epidemics trigger awareness campaigns.   |
| 3             | <i>Child Mortality</i> (IGME)                            | Probability of a child dying between birth and five years of age, if subject to current age-specific mortality rates.  |
| 4             | <i>Maternal Mortality</i> (MMEIG)                        | Female deaths from any cause related to, or aggravated by, pregnancy or its management (excluding accidental or incidental causes).  |
| 5             | <i>Access to Sanitation</i> (WHO/UNICEF)                 | Population with access to an improved sanitation facility, and the population served with open defecation sanitation. It consists of two sub-indicators.   |
| 6             | <i>Undernourishment</i> (WB)                             | Population whose food intake is insufficient to meet dietary energy requirements continuously.   |
| 7             | <i>Disease</i> (WHO)                                     | Prevalence of deaths from malaria and tuberculosis. It consists of two sub-indicators.   |
| 8             | <i>Immunisation</i> (WB/WHO)                             | Children that have received vaccinations against measles, DPT and hepatitis B. It consists of three sub-indicators.  |
| 9             | <i>Antiretroviral Treatment (ART) Provision</i> (UNAIDS) | Eligible adults and children receiving antiretroviral treatment therapy, and HIV-positive pregnant women who receive antiretrovirals to prevent mother-to-child transmission. It consists of two sub-indicators. |

The 2016 IIAG covers a 16-year data period from 2000 to 2015. The full IIAG data set, including underlying raw data and normalised scores, as calculated for the express purposes of the Index, is available online at:

<http://mo.ibrahim.foundation/iiag/downloads/>.

All figures on IIAG outputs are displayed to one decimal place. The calculation method to arrive at these scores is as follows:

- Country scores are calculated on full-precision raw data values (using the exact values as they are collected from source). All scores are then rounded to one decimal place.
- Group averages are calculated on the rounded, one decimal place country scores.
- Both trends over time and ranks are calculated on the scores to one decimal place.

Forty-one indicators were formed by clustering together a number of underlying sub-indicators which each measure the same dimension or similar concept. For each indicator the sub-indicators may come from the same or multiple sources. The value of a clustered indicator is the average of the underlying sub-indicators.

Analysis of trends over time (improvements and deteriorations) take into consideration a ten-year period: 2006-2015 (unless otherwise stated). References to the last ten years or the last decade refer to this time period.

The 2016 IIAG does not include data for South Sudan prior to secession in 2011. Due to the lack of data, ten-year trends have not been calculated for this country. The absence of South Sudan scores prior to 2011 means that 53 countries are ranked in 2000 to 2010 inclusive and 54 countries are ranked in 2011 to 2015 inclusive. This should be taken into account when looking at rank change over time. Similarly, averages calculated for groups which include South Sudan exclude the country in pre-secession years.

Data for Sudan prior to 2011 (Former Sudan) have been used in the 2016 IIAG. Despite Sudan being a new country post-secession of South Sudan, pre-2011 data for 'Former Sudan' are deemed a suitable proxy for governance in Sudan.

Where reference is made to population statistics, these were obtained from the United Nations, Department of Economic and Social Affairs, Population Division (2015): World Population Prospects: The 2015 Revision. Data were downloaded on 11 July 2016. Where reference is made to Gross Domestic Product (GDP) statistics, these were obtained from the World Economic Outlook Database. Data were downloaded on 08 August 2016. For both these, data for South Sudan are included in totals or percentages post-2011.

The Mo Ibrahim Foundation (MIF) is aware that some sources update their data sets after our documentation is sent to print. IIAG raw data are correct as per the data "last accessed", which is stated for each indicator within the Data Portal (downloadable via our website).


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
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52.5 61.0 43.9 25.6 54.2 65.1 88.5 52.5 61.0 43.9 25.6 54.2 65.1 88.5 52.5 61.0 43.9 25.6 54.2 65.1 54.2  
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77.6 38.0 48.4 47.8 64.5 35.4 67.5 77.6 38.0 48.4 47.8 64.5 35.4 67.5 77.6 38.0 48.4 47.8 64.5 35.4 64.5  
53.0 71.3 86.8 35.7 34.7 65.8 47.0 53.0 71.3 86.8 35.7 34.7 65.8 47.0 53.0 71.3 86.8 35.7 34.7 65.8 34.7  
43.8 50.8 60.7 68.1 33.0 51.8 52.7 43.8 50.8 60.7 68.1 33.0 51.8 52.7 43.8 50.8 60.7 68.1 33.0 51.8 33.0  
47.0 56.9 57.8 45.9 27.4 52.7 67.8 47.0 56.9 57.8 45.9 27.4 52.7 67.8 47.0 56.9 57.8 45.9 27.4 52.7 27.4  
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