

# **SDG INDEX & DASHBOARDS - A GLOBAL REPORT**

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# MOTIVATION FOR THE SDG INDEX & DASHBOARDS

1. SDG Index and Dashboards are analytical, communication, and collaborative tools
2. Support national, regional and global debates on formulation of SDGs country-level programs
3. Assist effort to develop a robust SDG monitoring framework complementing the official UN monitoring
4. Help identify data gaps that must be closed urgently and need of investments in statistical capacity
5. Promote cross-cutting and mutually reinforcing strategies for accelerated implementation of the goals



# BACKGROUND

Kroll, C. (with a foreword by Kofi Annan).  
2015. *Sustainable Development Goals - Are the rich countries ready?* Gutersloh:  
Bertelsmann Stiftung.

- Prototype SDG Index
- Published September 2015
- 34 OECD countries
- 34 indicators



# OFFICIAL INDICATORS

In early 2016, the UN Stat Commission recommended **231 indicators**.

## Three indicator Tiers as of March 2016 (IAEG-SDGs)

- Tier one (methodology agreed, data available): 98 indicators (40%);
- Tier two (methodology agreed, data not widely available): 50 indicators (21%);
- Tier three (methodology not globally agreed): 78 indicators (32%);
- Unassigned: 15 indicators

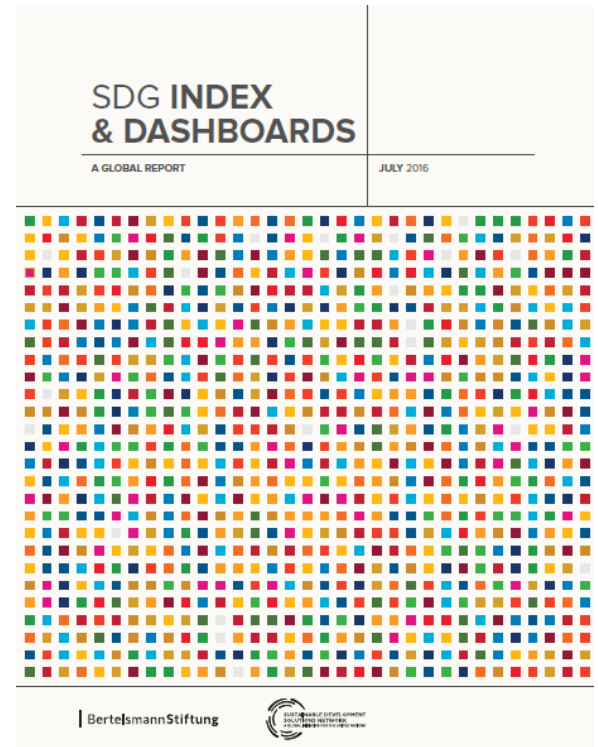
Database: <http://unstats.un.org/sdgs/indicators/database>

Where possible the SDG Index and Dashboards uses these official indicators



# THE 2016 REPORT IN BRIEF

- Lead authors Sachs J, Schmidt-Traub G., Kroll C, Durand-Delacre D., and K. Teksoz.
- 149 countries
- 63 indicators with global coverage
- 14 additional variables for OECD countries.
- The INDEX aggregates available data on all SDGs into a composite index.
- The DASHBOARDS is a data visualization tool, presents countries' starting points on each SDG.




# INDICATOR SELECTION

- Use only published indicators from among official SDG indicators where possible
- Indicator included if data available for 80% of countries with population > 1 million
- No imputation of missing data, except for a few metrics of extreme deprivation – poverty, undernourishment, research expenditures and child labor.



SDG	Indicator	Notes	IAEG-SDGs**	Year(s)*	Source
1	Poverty headcount ratio at \$1.90 a day (2011 PPP) (% of population)		-	2009-2013	World Bank (2016)
	Poverty rate after taxes and transfers, poverty line 50% (% of population)	(a)	-	2011-2014	OECD (2016a)
2	Prevalence of undernourishment (% of population)		●	2013	FAO (2015)
	Cereal yield (t/ha)		-	2013	FAO (2015)
	Prevalence of stunting (low height-for-age) in children under 5 years of age (%)		●	2000-2015	UNICEF, WHO & WB (2015)
	Prevalence of wasting in children under 5 years of age (%)		●	2000-2015	UNICEF, WHO & WB (2015)
	Sustainable Nitrogen Management Index (0-1)		-	2006/2011	Zhang & Davidson (2016); Zhang et al. (2015)
	Prevalence of obesity, BMI $\geq 30$ (% of adult population)	(a)	-	2014	WHO (2016b)
3	Mortality rate, under-5 (per 1,000 live births)		●	2013	World bank (2016)
	Maternal mortality rate (per 100,000 live births)		●	2015	WHO et al (2015)
	Neonatal mortality rate (per 1000 live births)		●	2015	WHO et al (2015)
	Physician density (per 1000 people)		●	2004-2013	WHO (2016a)
	Incidence of tuberculosis (per 100,000 people)		●	2014	WHO (2016a)
	Traffic deaths rate (per 100,000 people)		●	2013	WHO (2016a)
	Adolescent fertility rate (births per 1,000 women ages 15-19)		-	2005-2015	WHO (2016a)
	Subjective wellbeing (average ladder score, 0-10)		-	2014	Helliwel et al. (2015)
	Healthy life expectancy at birth (years)		-	2015	WHO (2016a)
	Percentage of surviving infants who received 2 WHO-recommended vaccines (%)		-	2014	WHO&UNICEF (2016)
	Daily smokers (% of population aged 15+)	(a)	●	2006-2013	WHO (2016a)

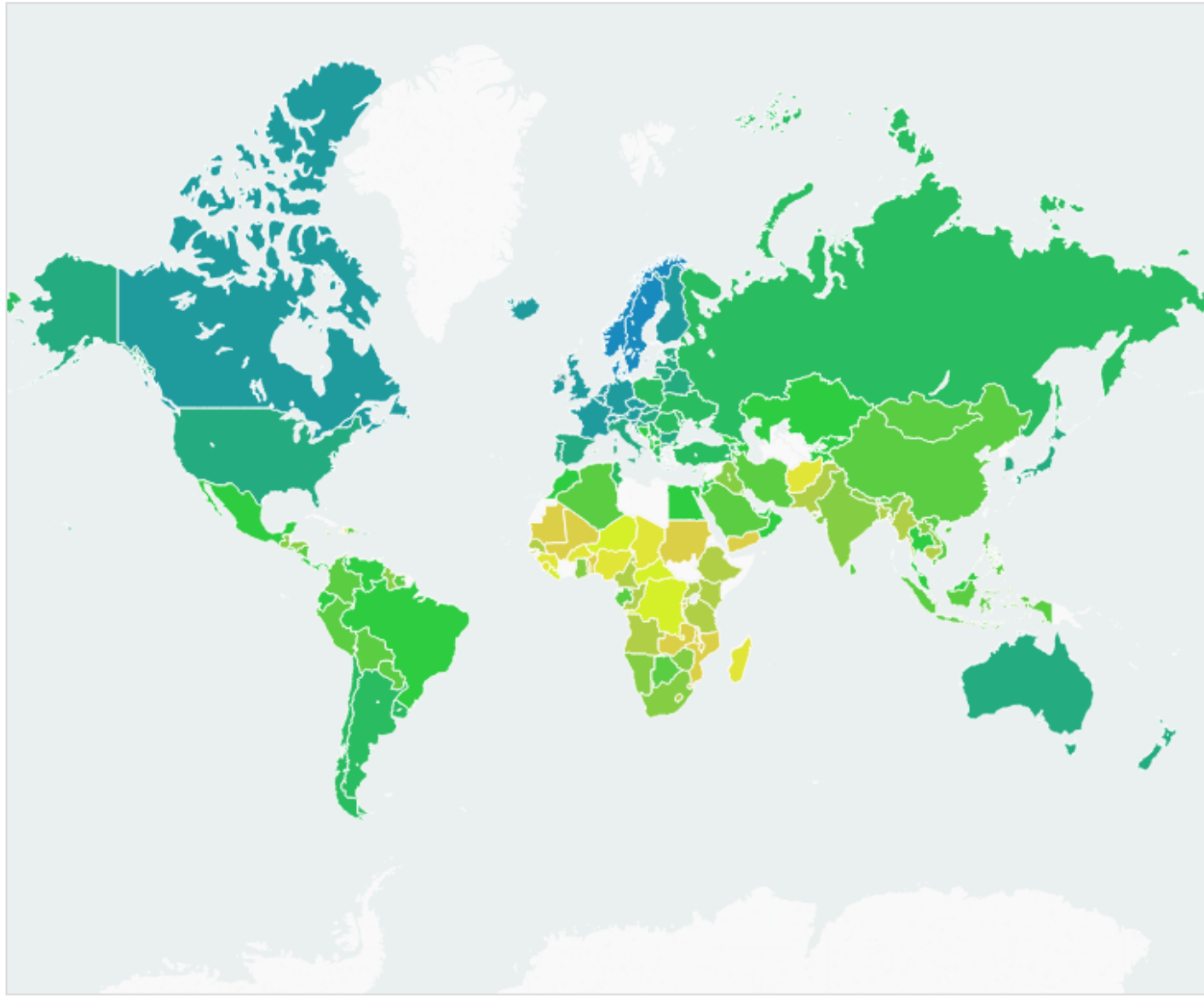
# INDEX METHODOLOGY

- Preliminary, initial status of the SDG Index
  - Data for each indicator as of 2015 - adjusted score  
**worst = 0 to best = 100**
  - Worst score – remove outliers at 2.5 %
  - Best score – natural target or the average of top 5 countries
  - Arithmetic average – a score of 50 signifies that a country is half way to achieving the SDGs.
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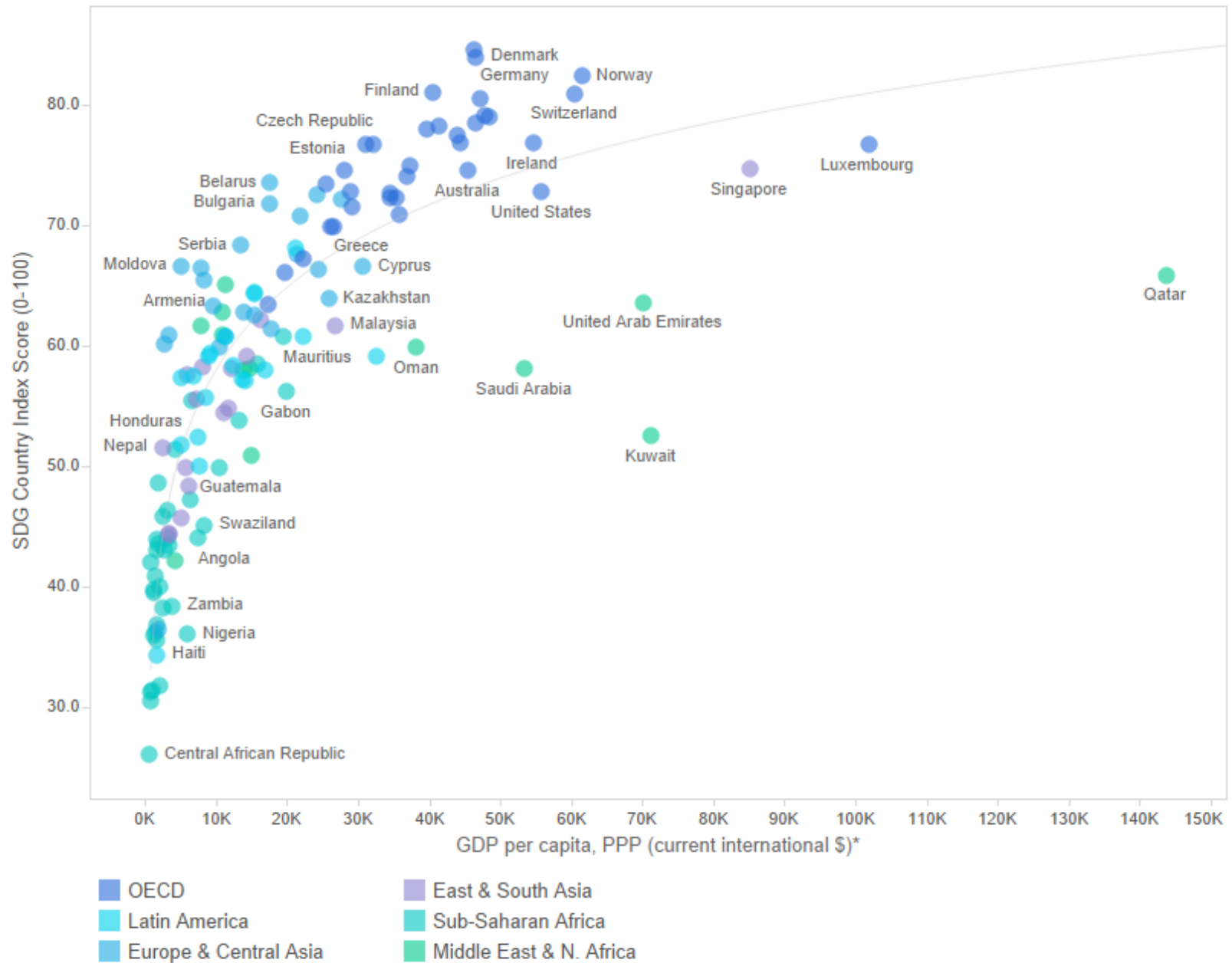
## World's Progress on the Sustainable Development Goals

Index Rank	Country	Overall Index Score (0-100)
1	Sweden	84.5
2	Denmark	83.9
3	Norway	82.3
4	Finland	81.0
5	Switzerland	80.9
6	Germany	80.5
7	Austria	79.1
8	Netherlands	78.9
9	Iceland	78.4
10	United Kingdom	78.1
11	France	77.9
12	Belgium	77.4
13	Canada	76.8
14	Ireland	76.7
15	Czech Republic	76.7
16	Luxembourg	76.7
17	Slovenia	76.6
18	Japan	75.0
19	Singapore	74.6
20	Australia	74.5



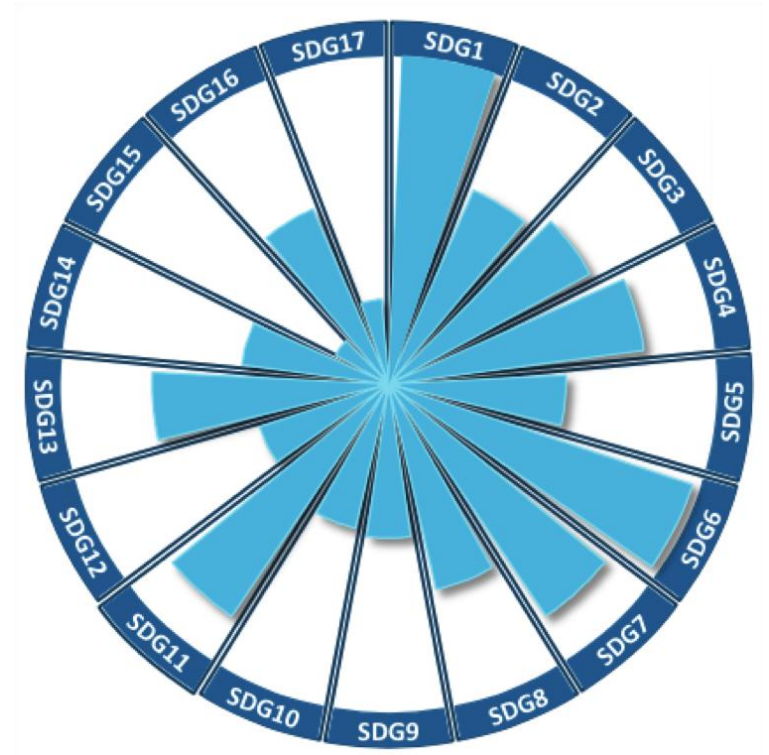
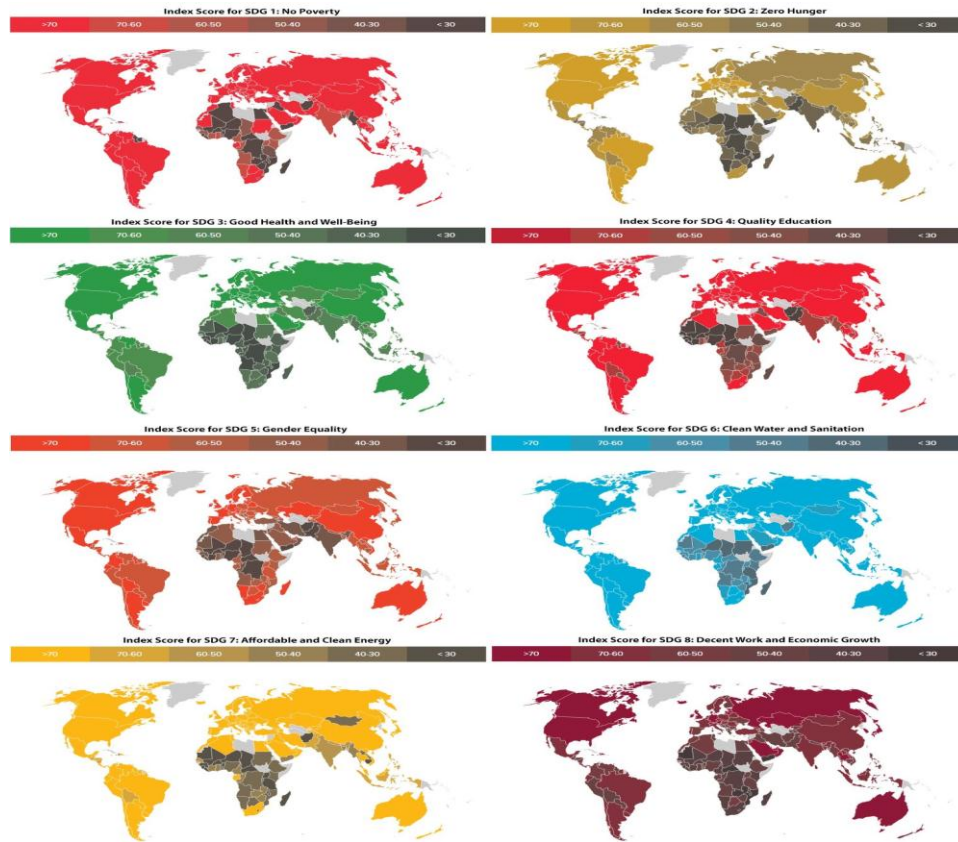
# SDG Index and Dashboard

## Per Capita Incomes and Progress on the Sustainable Development Goals



\*Data: World Bank, 2015

# MAPS AND RADAR CHART



# SDG DASHBOARDS

**“Traffic –light” thresholds – green, yellow or red**

**Green:** the country is at or near SDG achievement.

**Yellow:** the country is in a « caution lane », challenges remain.

**Red:** major challenges must be overcome

**Minimum** approach to aggregate scores for each SDG

**Hard grading** to highlight major priorities for action



SDG	Description/Label	Best (= 100)	Green	Yellow	Red	Worst (= 0)
1	Poverty headcount ratio at \$1.90 a day (2011 PPP) (% of population)	0%	<2%	2% <= value <= 12.7%	>12.7%	68.7%
	Poverty rate after taxes and transfers, Poverty line 50% (% of population)	0%	<10%	10% <= value <= 15%	>15%	21%
2	Prevalence of undernourishment (% of population)	0%	<7.5%	7.5% <= value <= 15%	>15%	41.6%
	Cereal yield (t/ha)	9.3	>2.5	1.5 <= value <= 2.5	<1.5	0.4
	Prevalence of stunting (low height-for-age) in children under 5 years of age (%)	0%	<7.5%	7.5% <= value <= 15%	>15%	49.5%
	Prevalence of wasting in children under 5 years of age (%)	0%	<5%	5% <= value <= 10%	>10%	18.9%
	Sustainable Nitrogen Management Index (0-1)	0	<0.3	0.3 <= value <= 0.7	>0.7	1.1
	Prevalence of obesity, BMI ≥ 30 (% of adult population)	0%	<10%	10% <= value <= 25%	>25%	42.3%
3	Mortality rate, under-5 (per 1,000 live births)	0	<25	25 <= value <= 50	>50	120.4
	Maternal mortality rate (per 100,000 live births)	0	<70	70 <= value <= 140	>140	789
	Neonatal mortality rate (per 1000 live births)	0	<12	12 <= value <= 18	>18	39.7
	Physician density (per 1000 people)	6.3	>3	1 <= value <= 3	<1	0
	Incidence of tuberculosis (per 100,000 people)	0	<10	10 <= value <= 75	>75	561
	Traffic deaths rate (per 100,000 people)	2.1	<8.4	8.4 <= value <= 16.8	>16.8	33.2
	Adolescent fertility rate (births per 1,000 women ages 15-19)	0	<25	25 <= value <= 50	>50	176
	Subjective Wellbeing (average ladder score, 0-10)	10	>6	5 <= value <= 6	<5	3.3
	Healthy Life Expectancy at birth (years)	74.2	>65	60 <= value <= 65	<60	44
	Percentage of surviving infants who received 2 WHO-recommended vaccines	100%	>90%	80% <= value <= 90%	<80%	46%
	Daily smokers (% of population aged 15+)	12.1%	<20%	20% <= value <= 25%	>25%	38.9%

# Malaysia

OVERALL SDG PERFORMANCE	Global rank	Score or value	Regional average
SDG Index	63 (of 149)	61.7 /100	54.6 /100
<b>Comparison with other development metrics</b>			
Human Development Index, 2014	62 (of 188)	0.78 /1	0.66 /1
Subjective Wellbeing, 2015	58 (of 149)	5.8 /10	5.1 /10
GDP per capita, PPP, 2015	40 (of 149)	US\$ 26141	US\$ 13672
Global Competitiveness Ind., 2016	18 (of 140)	5.2 /10	4.2 /10
Environmental Perf. Index, 2016	63 (of 180)	74.2 /100	61.3 /100

## SDG DASHBOARD



## Malaysia - Performance by indicator

Indicator	Value	Rating
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### SDG1

Poverty headcount ratio at \$1.90 a day (%)	0.3	●
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### SDG2

Prevalence of undernourishment (%)	5	●
Cereal yield (t/ha)	3.9	●
Prevalence of stunting, under-5s (%)	17.2	●
Prevalence of wasting, under-5s (%)	0	●
Sust. Nitrogen Management Index (0-1)	0.8	●

### SDG3

Under 5 mortality (per 1000 live births)	7	●
Maternal mortality (per 100,000 live births)	40	●
Neonatal mortality (per 1000 live births)	3.9	●
Physician density (per 1000)	1.2	●
Incidence of tuberculosis (per 100,000)	103	●
Traffic deaths (per 100,000)	24	●
Adolescent fertility (births per 1000)	12.7	●
Subjective wellbeing (0-10)	5.8	●
Healthy life expectancy at birth (years)	65	●
Infants who receive 8 WHO vaccines (%)	94	●

Indicator	Value	Rating
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Child labor (%)	n/a	●
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### SDG9

R&D expenditures (% GDP)	1.1	●
Logistics Performance Index (1-5)	3.6	●
Quality of overall infrastructure (1-7)	5.6	●
Mobile broadband subscriptions (per 100)	12.5	●
Internet use (%)	67.5	●

### SDG10

Gini index (0-100)	46.2	●
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### SDG11

PM2.5 in urban areas (µg/m³)	14.4	●
Improved water source, piped (%)	100	●

### SDG12

Wastewater treated (%)	8.6	●
Municipal solid waste (kg/person/year)	1.5	●

### SDG13

CO <sub>2</sub> emissions from energy (tCO <sub>2</sub> /capita)	7.9	●
Climate change vulnerability (0-1)	0.1	●

### SDG14




# THE SDG REGIONAL DASHBOARD




	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Bangladesh	Red	Red	Red	Red	Red	Red	Red	Red	Red	Yellow	Red	Red	Red	Red	Red	Red	Red
Bhutan	Yellow	Red	Red	Red	Red	Red	Red	Yellow	Red	Yellow	Red	Red	Yellow	Grey	Red	Yellow	Green
Cambodia	Yellow	Red	Red	Yellow	Red	Red	Red	Red	Red	Yellow	Yellow	Red	Red	Red	Red	Red	Yellow
China	Yellow	Red	Red	Green	Yellow	Yellow	Yellow	Green	Red	Red	Red	Yellow	Red	Red	Red	Red	Green
India	Red	Red	Red	Red	Red	Red	Red	Red	Red	Yellow	Red	Red	Red	Red	Red	Red	Yellow
Indonesia	Red	Red	Red	Yellow	Red	Red	Red	Yellow	Red	Yellow	Red	Red	Yellow	Red	Red	Red	Red
Iran, Islamic	Green	Red	Red	Green	Red	Red	Red	Red	Red	Yellow	Red	Red	Red	Red	Yellow	Red	Red
Japan*	Green	Yellow	Yellow	Green	Red	Green	Yellow	Yellow	Green	Yellow	Yellow	Red	Red	Red	Red	Yellow	Red
Korea, Rep.*	Green	Yellow	Red	Yellow	Red	Red	Yellow	Green	Green	Yellow	Red	Yellow	Red	Red	Red	Yellow	Red
Lao PDR	Red	Red	Red	Red	Red	Red	Red	Red	Red	Yellow	Red	Red	Yellow	Grey	Red	Red	Yellow
Malaysia	Green	Red	Red	Yellow	Red	Green	Yellow	Green	Red	Red	Yellow	Red	Red	Red	Red	Red	Yellow
Mongolia	Green	Red	Red	Yellow	Red	Red	Red	Red	Red	Yellow	Red	Yellow	Red	Grey	Red	Red	Yellow
Myanmar	Grey	Red	Red	Red	Red	Yellow	Red	Red	Red	Grey	Red	Red	Yellow	Red	Yellow	Red	Red
Nepal	Red	Red	Red	Red	Red	Red	Red	Red	Red	Yellow	Red	Red	Yellow	Grey	Red	Red	Yellow
Pakistan	Yellow	Red	Red	Red	Red	Red	Red	Red	Red	Yellow	Red	Red	Yellow	Red	Yellow	Red	Red
Philippines	Red	Red	Red	Yellow	Yellow	Red	Yellow	Red	Red	Red	Red	Red	Yellow	Red	Red	Red	Red
Singapore	Green	Red	Yellow	Green	Yellow	Green	Green	Green	Green	Grey	Yellow	Yellow	Red	Red	Red	Red	Yellow
Sri Lanka	Green	Red	Red	Yellow	Red	Yellow	Red	Yellow	Red	Yellow	Red	Red	Yellow	Red	Red	Red	Red
Thailand	Green	Red	Red	Yellow	Red	Yellow	Yellow	Yellow	Red	Yellow	Red	Red	Red	Yellow	Red	Red	Yellow
Vietnam	Yellow	Red	Red	Yellow	Yellow	Yellow	Red	Red	Red	Yellow	Red	Red	Red	Red	Red	Red	Yellow



# KEY FINDINGS

- Progress is uneven across countries - existing deprivations and challenges require **coherent and urgent action by ALL COUNTRIES**.
  - Poor countries face **significant obstacles** - ending extreme poverty in all its forms, social inclusion, access to essential infrastructure, environmental degradation.
  - Richer countries face more **specific but nonetheless major challenges** - climate change mitigation, inequality, sustaining the global partnership
  - **Filling in the data gaps is crucial** to support the implementation of the 2030 Agenda
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# LIMITATIONS & AREAS OF FUTURE ENQUIRY

- Impossibility to track cross-country effects and **global public goods**.
  - Limited consideration of international **spillover effects**
  - Inclusion of **non-official indicators**
  - No consideration of **region-specific challenges** (e.g. malaria).
  - Lack of data, especially **time series data**.
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# KEY DATA GAPS

- Sustainable agriculture
  - Quality of education
  - Women's empowerment
  - Decent work
  - Climate change impacts and resilience
  - Ecosystem services
  - Means of implementation
  - Cross-country effects and **global public goods**.
  - **Region-specific challenges** (e.g. malaria).
  - Lack of consistent **time series data**.
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# WORK UNDERWAY FOR 2017 REPORT

1. Expand indicator set
2. 2017 theme: Measuring cross-country effects
3. Regionalized dashboards

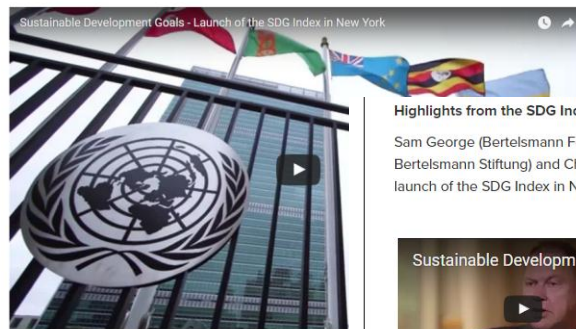


# ONLINE ACCESS AT [WWW.SDGINDEX.ORG](http://WWW.SDGINDEX.ORG)

	<b>SDG INDEX &amp; DASHBOARDS</b>	<b>DOWNLOAD</b> Report & Data	<b>EXPLORE THE DATA</b> SDG Index & Dashboards	<b>LEARN MORE</b> About the Report	 
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## INTRODUCING THE SDG INDEX & DASHBOARDS

On July 20th, the [Sustainable Development Solutions Network \(SDSN\)](#) and the [Bertelsmann Stiftung](#) launched the *SDG Index and Dashboards – Global Report* to provide a report card for tracking SDG progress and ensuring accountability. The report shows how leaders can deliver on their promise and it urges countries not to lose the momentum for important reforms. In order to achieve the ambitious goals, immediate and comprehensive action is needed in the crucial first years of implementation of the new global agenda.



Highlights from the SDG Index launch event in New York

Sam George (Bertelsmann Foundation) interviews Jeffrey Sachs (Director, SDSN), Aart de Geus (Chairman and CEO, Bertelsmann Stiftung) and Christian Kroll (Scientific Director of SDG Index jointly with Guido Schmidt-Traub, SDSN) during the launch of the SDG Index in New York.

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INTERVIEW  
**Aart de Geus**

Sam George interviews Aart De Geus (Chairman and CEO, Bertelsmann Stiftung).



INTERVIEW  
**Jeffrey D. Sachs**

Sam George interviews Jeffrey Sachs (Director, SDSN).



INTERVIEW  
**Christian Kroll**

Sam George interviews Christian Kroll (Scientific Director of the SDG Index jointly with Guido Schmidt-Traub, SDSN).

# LEARN MORE

## Key references:

- Sachs, J., Schmidt-Traub, G., Kroll, C., Durand-Delacre, D. and Teksoz, K. (2016): SDG Index and Dashboards - Global Report. New York: Bertelsmann Stiftung and Sustainable Development Solutions Network (SDSN). [Download](#).
- Kroll, C. (with a foreword by Kofi Annan). 2015. Sustainable Development Goals - Are the rich countries ready? Gutersloh: Bertelsmann Stiftung. [Download](#).

## SDG Index and Dashboards Report Launch

- Official Statement by the UN Secretary General : <http://bit.ly/2dsE5wJ>
- Launch webcast <http://bit.ly/2dFdgXq>
- Presentation [video](#) and interviews with [Jeffrey Sachs](#), [Aart de Geus](#), [Christian Kroll](#)

Bertelsmann Stiftung: [Facebook](#) / [Twitter](#)

#SDGIndex

Sustainable Development Solutions Network: [Facebook](#) / [Twitter](#)



# NEW: PRELIMINARY US CITIES SDG INDEX

Draft document for public consultation to seek comments and suggestions for improvement by 30 November 2016

Available online at

<http://unsdsn.org/resources/publications/us-cities-sdg-index-consultation/>



**Thank you!**

**More information at:**

**[www.sdgindex.org](http://www.sdgindex.org)**

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