Tracking Sustainable Development: Ecological Footprint Efficiency by Consumption Category

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Abstract

(last)

Introduction

The Ecological Footprint (EF) measures human demand and supply of renewable biological resources, but does not give information on the quality of services provided as a result of that demand.

Low demand can be due to high efficiency or low quality of life...

Combining national Ecological Footprint results with the UN's Human Development Index (HDI) combined with the Ecological Footprint gives an overview into the global pattern of the provision of human welfare mapped against this demand for renewable resources.

... (MRIO-FA) accounts use (EE-MRIO) to provide EF results related to activities. (Brief description of MRIO This breaks down the total results in a way that differentiates that areas of life which are associated with different biocapcity demands by residents of different nations). Comparing across countries shows the range of demand for biocapacity by activity, but ...

(Hypothesise that while x and y country have similar EF per capita for Food, one is likely more efficient with a high quality of food, while the other may be demanding less resources because there is a lack of sufficient quantity or quality of food for the residents).

The Sustainable Development Goals (SDG) are.... An initiative to track nations' progress toward these goals is the Sustainable Development Goals Indicators project (SDGI). The SDGI collect and organise available data which is relevant to the progress toward and achievement of these goals. Using these data, we identified....

Methods

Ecological Footprint

MRIO-FA

Input output tables. GTAP data EF allocation CLUM matrix

Sustainable Development Goals Indicator Data

SDG

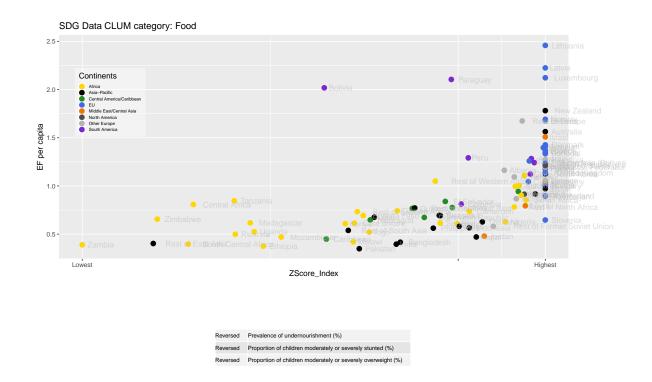
SDGIs

A full list of Indicators and data as of the time of publication appears as an appendix to this paper (see: APPENDIX A)

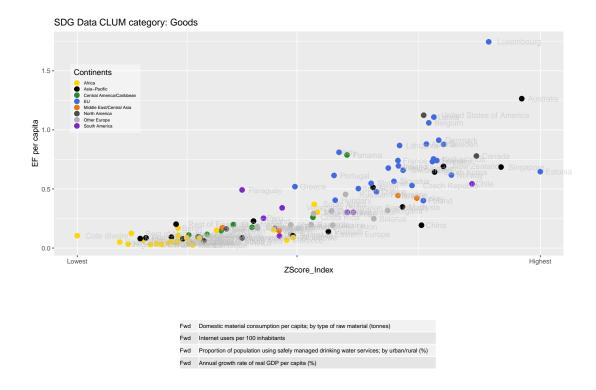
Our R script takes the most up-to-date data from the SDG API Using principles of reproducible and open source science, the underlying scripts are available at... We select from the list of Indicator data. We normalize the data when there are multiple elements.

Results

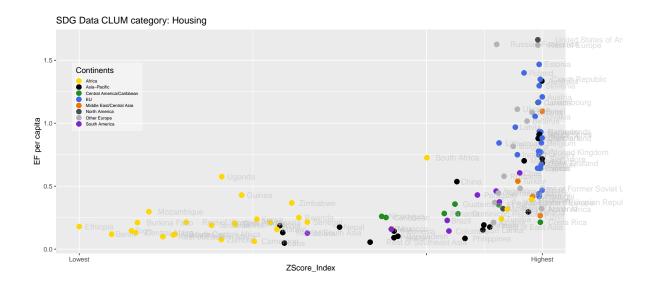
We found that combining EF by CLUM with appropriate SDGi data does differentiate countries according to variability in the quality of the consumption activities in each....



For the category measuring the Ecological Footprint of Food against our indicator data representing the quality of food provision in each country,

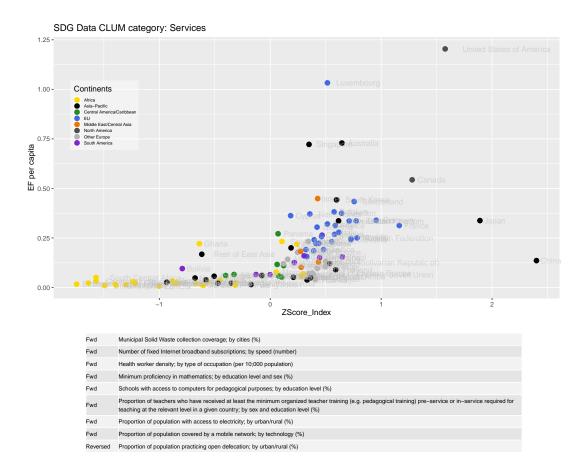


For the CLUM category of 'Goods', the results show highly clustered \dots

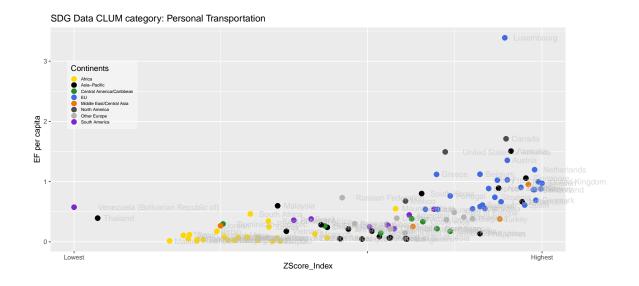


Fwd	Proportion of population using basic drinking water services; by location (%)
Fwd	Proportion of population using basic sanitation services; by location (%)
Fwd	Proportion of population with basic handwashing facilities on premises; by urban/rural (%)
Reversed	Proportion of population practicing open defecation; by urban/rural (%)

For the consumption category of Housing, \dots

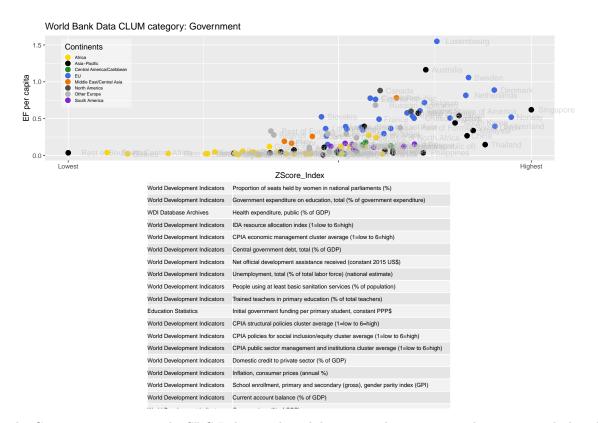


For the Services consumption category, \dots

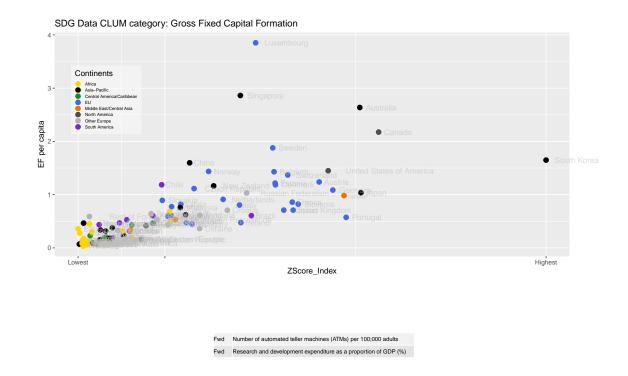


Reversed Death rate due to road traffic injuries (per 100;000 population)

For the Personal Transportation category, we can see that a fairly straight-forward proxy indicator of a single set of data gives a picture of the state and variability of different nations' relative success in achieving safe and effective transport within ...



For the Government category, the SDG Indicator data did not provide appropriate data series with data for year in this study. Pulling directly from the World Bank data – which is the original data source for a few of the SDG Indicator data series – gives a robust picture of the provision of government services across countries. Interestingly, the pattern and distribution are similar at the continent level to that of the Ecological Footprint and the Human Development Indicator.



Gross Fixed Capital Formation is a measure of investment. For this category, we

Conclusion

While EF is useful for tracking... sometimes criticized for limitations in understanding drivers. Breaking down and linking with quality of services indicators enables Make these results publicly available for researchers, policy makers, or any interested parties to better understand both the areas of particular demand. Highlights countries where aspects are particularly successful in minimizing demand for biocapacity while at the same time providing high quality of life in that area. Can be a guidepost for other countries and individuals to learn from and potentially implement some best practices for sustainable development. Better MRIO data would be great. Better ability to allocate EF to IO tables would be great. Additional work could ...

APPENDIX A

Full list of SDG Indicators data available (at time of publication) for 2011

(some series may be sparsley populated)

indicator	series	seriesDescription
1.1.1	SI_POV_DAY1	Proportion of population below international poverty line (%)
1.1.1	SI_POV_EMP1	Employed population below international poverty line; by sex and age (%)
1.2.1	SI_POV_NAHC	Proportion of population living below the national poverty line (%)
1.3.1	SI_COV_SOCAST	[World Bank] Proportion of population covered by social assistance programs (%)

indicator	series	seriesDescription
1.3.1	SI_COV_SOCASTPQ	[World Bank] Poorest quintile covered by social assistance programs (%)
1.3.1	SI_COV_SOCINS	[World Bank] Proportion of population covered by social insurance programs (%)
1.3.1	SI_COV_SOCINSPQ	[World Bank] Poorest quintile covered by social insurance programs (%)
1.3.1	SI_COV_UEMP	[ILO] Proportion of unemployed persons receiving unemployment cash benefit; by sex (%)
1.3.1	SI_COV_WKINJRY	[ILO] Proportion of employed population covered in the event of work injury; by sex (%)
1.3.1	SI_COV_LMKT	[World Bank] Proportion of population covered by labour market programs (%)
1.3.1	SI_COV_LMKTPQ	[World Bank] Poorest quintile covered by labour market programs (%)
1.3.1	SI_COV_PENSN	[ILO] Proportion of population above statutory pensionable age receiving a pension; by sex (%)
1.4.1	SP_ACS_BSRVH2O	Proportion of population using basic drinking water services; by location (%)
1.4.1	SP_ACS_BSRVSAN	Proportion of population using basic sanitation services; by location (%)
1.5.1 11.5.1 13.1.1	VC_DSR_MISS	Number of missing persons due to disaster (number)
1.5.1 11.5.1 13.1.1	VC_DSR_AFFCT	Number of people affected by disaster (number)
$1.5.1 \ 11.5.1 \ 13.1.1$	VC_DSR_MORT	Number of deaths due to disaster (number)
1.5.1 11.5.1 13.1.1	VC_DSR_MTMP	Number of deaths and missing persons attributed to disasters per 100;000 population (number)
1.5.1 11.5.1 13.1.1	VC_DSR_MTMN	Number of deaths and missing persons attributed to disasters (number)
1.5.1 11.5.1 13.1.1	VC_DSR_DAFF	Number of directly affected persons attributed to disasters per 100;000 population (number)
1.5.1 11.5.1 13.1.1	VC_DSR_IJILN	Number of injured or ill people attributed to disasters (number)
1.5.1 11.5.1 13.1.1	VC_DSR_PDAN	Number of people whose damaged dwellings were attributed to disasters (number)
1.5.1 11.5.1 13.1.1	VC_DSR_PDYN	Number of people whose destroyed dwellings were attributed to disasters (number)
1.5.1 11.5.1 13.1.1	VC_DSR_PDLN	Number of people whose livelihoods were disrupted or destroyed; attributed to disasters (number)
1.5.2 11.5.2	VC_DSR_GDPLS	Direct economic loss attributed to disasters (current United States dollars)
1.5.2 11.5.2	VC_DSR_LSGP	Direct economic loss attributed to disasters relative to GDP (%)
1.5.2 11.5.2	VC_DSR_AGLN	Direct agriculture loss attributed to disasters (current United States dollars)
1.5.2 11.5.2	VC_DSR_HOLN	Direct economic loss in the housing sector attributed to disasters (current United States dollars)
1.5.2 11.5.2	VC_DSR_CILN	Direct economic loss resulting from damaged or destroyed critical infrastructure attributed to disasters (current United States dollars)
1.5.2 11.5.2	VC_DSR_CHLN	Direct economic loss to cultural heritage damaged or destroyed attributed to disasters (millions of current United States dollars)

indicator	series	seriesDescription
1.5.2 11.5.2	VC_DSR_DDPA	Direct economic loss to other damaged or destroyed productive assets attributed to disasters (current United States dollars)
1.a.2	SD_XPD_ESED	Proportion of total government spending on essential services; education (%)
10.4.1	SL_EMP_GTOTL	Labour share of GDP; comprising wages and social protection transfers (%)
10.5.1	FI_FSI_FSANL	Non-performing loans to total gross loans (%)
10.5.1	FI_FSI_FSERA	Return on assets (%)
10.5.1	FI_FSI_FSKA	Regulatory capital to assets (%)
10.5.1	FI_FSI_FSKNL	Non-performing loans net of provisions to capital $(\%)$
10.5.1	FI_FSI_FSKRTC	Regulatory Tier 1 capital to risk-weighted assets (%)
10.5.1	FI_FSI_FSLS	Liquid assets to short term liabilities (%)
10.5.1	FI_FSI_FSSNO	Net open position in foreign exchange to capital (%)
10.b.1	DC_TRF_TOTDL	Total assistance for development; by donor countries (millions of current United States dollars)
10.b.1	DC_TRF_TOTL	Total assistance for development; by recipient countries (millions of current United States dollars)
10.b.1	DC_TRF_TFDV	Total resource flows for development; by recipient and donor countries (millions of current United States dollars)
10.c.1	SI_RMT_COST	Remittance costs as a proportion of the amount remitted (%)
11.5.2	VC_DSR_CDAN	Number of damaged critical infrastructure attributed to disasters (number)
11.5.2	VC_DSR_HFDN	Number of destroyed or damaged health facilities attributed to disasters (number)
11.5.2	VC_DSR_EFDN	Number of destroyed or damaged educational facilities attributed to disasters (number)
11.5.2	VC_DSR_CDYN	Number of other destroyed or damaged critical infrastructure units and facilities attributed to disasters (number)
11.5.2	VC_DSR_BSDN	Number of disruptions to basic services attributed to disasters
11.5.2	VC_DSR_ESDN	(number) Number of disruptions to educational services attributed to disasters (number)
11.5.2	VC_DSR_HSDN	Number of disruptions to health services attributed to disasters (number)
11.5.2	VC_DSR_OBDN	Number of disruptions to other basic services attributed to disasters (number)
11.6.1	EN REF WASCOL	Municipal Solid Waste collection coverage; by cities (%)
12.2.1 8.4.1	EN_MAT_FTPRPG	Material footprint per unit of GDP; by type of raw material
		(kilograms per constant 2010 United States dollar)
12.2.1 8.4.1	EN_MAT_FTPRPC	Material footprint per capita; by type of raw material (tonnes)
$12.2.1\ 8.4.1$	EN_MAT_FTPRTN	Material footprint; by type of raw material (tonnes)
$12.2.2\ 8.4.2$	EN_MAT_DOMCMPT	Domestic material consumption; by type of raw material (tonnes)
12.2.2 8.4.2	EN_MAT_DOMCMPG	Domestic material consumption per unit of GDP; by type of raw material (kilograms per constant 2010 United States dollars)
12.2.2 8.4.2	EN_MAT_DOMCMPC	Domestic material consumption per capita; by type of raw material (tonnes)
14.4.1	ER_H2O_FWTL	Proportion of fish stocks within biologically sustainable levels (not overexploited) (%)

indicator	series	seriesDescription
14.5.1	ER_MRN_MARINT	Protected marine area (Exclusive Economic Zones) (square kilometres)
14.5.1	ER_MRN_MARIN	Coverage of protected areas in relation to marine areas (Exclusive Economic Zones) (%)
14.5.1	ER_MRN_MPA	Average proportion of Marine Key Biodiversity Areas (KBAs) covered by protected areas (%)
14.a.1	ER_RDE_OSEX	National ocean science expenditure as a share of total research and development funding (%)
15.1.2	ER_PTD_FRWRT	Average proportion of Freshwater Key Biodiversity Areas (KBAs) covered by protected areas (%)
15.1.2	ER_PTD_TERRS	Average proportion of Terrestrial Key Biodiversity Areas (KBAs) covered by protected areas (%)
15.4.1	ER_PTD_MOTN	Average proportion of Mountain Key Biodiversity Areas (KBAs) covered by protected areas (%)
15.5.1	ER_RSK_LSTI	Red List Index
15.a.1 15.b.1	DC_ODA_BDVDL	Total official development assistance for biodiversity; by donor countries (millions of constant 2017 United States dollars)
15.a.1 15.b.1	DC_ODA_BDVL	Total official development assistance for biodiversity; by recipient countries (millions of constant 2017 United States dollars)
16.1.1	VC_IHR_PSRC	Number of victims of intentional homicide per 100;000 population; by sex (victims per 100;000 population)
16.1.1	VC_IHR_PSRCN	Number of victims of intentional homicide; by sex (number)
16.1.3	VC_VOV_PHYL	Proportion of population subjected to physical violence in the previous 12 months; by sex (%)
16.1.3	VC_VOV_ROBB	Proportion of population subjected to robbery in the previous 12 months; by sex (%)
16.1.3	VC_VOV_SEXL	Proportion of population subjected to sexual violence in the previous 12 months; by sex $(\%)$
16.2.1	VC_VAW_PHYPYV	Proportion of children aged 1-14 years who experienced physical punishment and/or psychological aggression by caregivers in last month (% of children aged 1-14 years)
16.2.2	VC_HTF_DETVFL	Detected victims of human trafficking for forced labour; servitude and slavery; by age and sex (number)
16.2.2	VC_HTF_DETVOP	Detected victims of human trafficking for other purposes; by age and sex (number)
16.2.2	VC_HTF_DETVOG	Detected victims of human trafficking for removal of organ; by age and sex (number)
16.2.2	VC_HTF_DETVSX	Detected victims of human trafficking for sexual exploitaton; by age and sex (number)
16.2.2	VC_HTF_DETV	Detected victims of human trafficking; by age and sex (number)
16.2.3	VC_VAW_SXVLN	Proportion of population aged 18-29 years who experienced sexual violence by age 18; by sex (% of population aged 18-29)
16.3.1	VC_PRR_PHYV	Police reporting rate for physical assault; by sex (%)
16.3.1	VC_PRR_SEXV	Police reporting rate for sexual assault; by sex (%)
16.3.1	VC_PRR_ROBB	Police reporting rate for robbery; by sex (%)
16.5.1	IU_COR_BRIB	Prevalence rate of bribery; by sex (%)
16.5.2	IC_FRM_BRIB	Bribery incidence (% of firms experiencing at least one bribe payment request)

indicator	series	seriesDescription
16.6.1	GF_XPD_GBPC	Primary government expenditures as a proportion of original approved budget (%)
16.9.1	SG_REG_BRTH	Proportion of children under 5 years of age whose births have been registered with a civil authority (% of children under 5 years of age)
17.1.1	GR_G14_GDP	Total government revenue (budgetary central government) as a proportion of GDP $(\%)$
17.11.1	TX_IMP_GBMRCH	Developing countries' and least developed countries' share of global merchandise imports (%)
17.11.1	TX_EXP_GBMRCH	Developing countries' and least developed countries' share of global merchandise exports $(\%)$
17.11.1	TX_EXP_GBSVR	Developing countries' and least developed countries' share of global services exports $(\%)$
17.11.1	TX_IMP_GBSVR	Developing countries' and least developed countries' share of global services imports (%)
17.12.1	TM_TAX_ATRFD	Average tariff applied by developed countries; by type of product $(\%)$
17.19.1	SG_STT_CAPTY	Dollar value of all resources made available to strengthen statistical capacity in developing countries (current United States dollars)
17.19.2	SG_REG_CENSUSN	Countries that have conducted at least one population and housing census in the last 10 years $(1 = YES; 0 = NO)$
17.2.1	DC_ODA_SIDSG	Net official development assistance (ODA) to small island states (SIDS) as a percentage of OECD-DAC donors' GNI; by donor countries (%)
17.2.1	DC_ODA_LDCG	Net official development assistance (ODA) to LDCs as a percentage of OECD-DAC donors' GNI; by donor countries (%)
17.2.1	DC_ODA_LLDC	Net official development assistance (ODA) to landlocked developing countries from OECD-DAC countries; by donor countries (millions of constant 2017 United States dollars)
17.2.1	DC_ODA_SIDS	Net official development assistance (ODA) to small island states (SIDS) from OECD-DAC countries; by donor countries (millions of constant 2017 United States dollars)
17.2.1	DC_ODA_LDCS	Net official development assistance (ODA) to LDCs from OECD-DAC countries; by donor countries (millions of constant 2017 United States dollars)
17.2.1	DC_ODA_LLDCG	Net official development assistance (ODA) to landlocked developing countries as a percentage of OECD-DAC donors' GNI; by donor countries (%)
17.2.1	DC_ODA_TOTG	Net official development assistance (ODA) as a percentage of OECD-DAC donors' GNI; by donor countries (%)
17.2.1	$\mathrm{DC_ODA_TOTL}$	Net official development assistance (ODA) from OECD-DAC countries; by donor countries (millions of constant 2017 United States dollars)
17.3.2	BX_TRF_PWKR	Volume of remittances (in United States dollars) as a proportion of total GDP $(\%)$
17.4.1 17.6.2	DT_TDS_DECT IT_NET_BBN	Debt service as a proportion of exports of goods and services (%) Number of fixed Internet broadband subscriptions; by speed (number)

indicator	series	seriesDescription
17.6.2	IT_NET_BBP	Fixed Internet broadband subscriptions per 100 inhabitants; by speed (per 100 inhabitants)
17.8.1	IT_USE_ii99	Internet users per 100 inhabitants
17.9.1	DC_FTA_TOTAL	Total official development assistance (gross disbursement) for technical cooperation (millions of 2017 United States dollars)
2.1.1	SN_ITK_DEFC	Prevalence of undernourishment (%)
2.1.1	SN_ITK_DEFCN	Number of undernourish people (millions)
2.2.1	SH_STA_STUNT	Proportion of children moderately or severely stunted (%)
2.2.1	SH_STA_STUNTN	Children moderately or severely stunted (millions)
2.2.2	SH_STA_WASTE	Proportion of children moderately or severely wasted (%)
2.2.2	SH_STA_WASTEN	Children moderately or severely wasted (millions)
2.2.2	SH_STA_OVRWGT	Proportion of children moderately or severely overweight (%)
2.3.1	PD_AGR_SSFP	Productivity of small-scale food producers (agricultural output per labour day; PPP) (constant 2011 international \$)
2.3.2	SI_AGR_SSFP	Average income of small-scale food producers; PPP (constant 2011 international $\$)$
2.5.2	ER_RSK_LBREDS	Proportion of local breeds classified as being at risk as a share of local breeds with known level of extinction risk ($\%$)
2.a.1	AG_PRD_ORTIND	Agriculture orientation index for government expenditures
2.a.1	AG_PRD_AGVAS	Agriculture value added share of GDP (%)
2.a.1	AG_XPD_AGSGB	Agriculture share of Government Expenditure (%)
2.a.2	DC_TOF_AGRL	Total official flows (disbursements) for agriculture; by recipient countries (millions of constant 2017 United States dollars)
2.b.1	AG_PRD_XSUBDY	Agricultural export subsidies (millions of current United States dollars)
3.1.1	SH_STA_MMR	Maternal mortality ratio
3.1.2	SH_STA_BRTC	Proportion of births attended by skilled health personnel (%)
3.2.1	SH_DYN_IMRTN	Infant deaths (number)
3.2.1	SH_DYN_MORT	Under-five mortality rate; by sex (deaths per 1;000 live births)
3.2.1	SH_DYN_IMRT	Infant mortality rate (deaths per 1;000 live births)
3.2.1	SH_DYN_MORTN	Under-five deaths (number)
3.2.2	SH_DYN_NMRTN	Neonatal deaths (number)
3.2.2	SH_DYN_NMRT	Neonatal mortality rate (deaths per 1;000 live births)
3.3.1	SH_HIV_INCD	Number of new HIV infections per 1;000 uninfected population; by sex and age (per 1;000 uninfected population)
3.3.2	SH TBS INCID	Tuberculosis incidence (per 100;000 population)
3.3.3	SH_STA_MALR	Malaria incidence per 1;000 population at risk (per 1;000 population)
3.3.5	SH_TRP_INTVN	Number of people requiring interventions against neglected tropical diseases (number)
3.6.1	SH_STA_TRAF	Death rate due to road traffic injuries (per 100;000 population)
3.7.1	SH_FPL_MTMM	Proportion of women of reproductive age (aged 15-49 years) who have their need for family planning satisfied with modern methods (% of women aged 15-49 years)
3.7.2	SP_DYN_ADKL	Adolescent birth rate (per 1;000 women aged 15-19 years)
3.8.2	SH_XPD_EARN25	Proportion of population with large household expenditures on health (greater than 25%) as a share of total household expenditure or income (%)

indicator	series	seriesDescription
3.8.2	SH_XPD_EARN10	Proportion of population with large household expenditures on health (greater than 10%) as a share of total household expenditure or income (%)
3.b.1	SH_ACS_DTP3	Proportion of the target population with access to 3 doses of diphtheria-tetanus-pertussis (DTP3) (%)
3.b.1	SH_ACS_MCV2	Proportion of the target population with access to measles-containing-vaccine second-dose (MCV2) (%)
3.b.1	SH_ACS_PCV3	Proportion of the target population with access to pneumococca conjugate 3rd dose (PCV3) (%)
3.b.2	DC_TOF_HLTHNT	Total official development assistance to medical research and basis heath sectors; net disbursement; by recipient countries (millions of constant 2017 United States dollars)
3.b.2	DC_TOF_HLTHL	Total official development assistance to medical research and basi- heath sectors; gross disbursement; by recipient countries (million of constant 2017 United States dollars)
3.c.1	SH_MED_HEAWOR	Health worker density; by type of occupation (per 10;000 population)
3.d.1	SH_IHR_CAPS	International Health Regulations (IHR) capacity; by type of IHF capacity (%)
4.1.1	SE_MAT_PROF	Minimum proficiency in mathematics; by education level and set $(\%)$
4.1.1 4.2.1	SE_REA_PROF SE_DEV_ONTRK	Minimum proficiency in reading; by education level and sex (%) Proportion of children aged 36-59 months who are developmentally on track in at least three of the following domains: literacy-numeracy; physical development; social-emotional development; and learning (% of children aged 36-59 months)
4.2.2	SE_PRE_PARTN	Participation rate in organized learning (one year before the official primary entry age); by sex (%)
4.3.1	SE_ADT_EDUCTRN	Participation rate in formal and non-formal education and training; by sex (%)
4.4.1	SE_ADT_ACTS	Proportion of youth and adults with information and communications technology (ICT) skills; by sex and type of skill (%)
4.5.1	SE_PRE_GPIPARTN	Gender parity index for participation rate in organized learning (one year before the official primary entry age); (ratio)
4.5.1	SE_GPI_MATACH	Gender parity index for achievement in mathematics; by education level (ratio)
4.5.1	SE_GPI_REAACH	Gender parity index for achievement in reading; by education level (ratio)
4.5.1	SE_GPI_TRATEA	Gender parity index of trained teachers; by education level (ratio
4.5.1	SE_SEP_MATACH	Low to high socio-economic parity status index for achievement is mathematics; by education level (ratio)
4.5.1	SE_SEP_REAACH	Low to high socio-economic parity status index for achievement in reading; by education level (ratio)
4.5.1	SE_URP_MATACH	Rural to urban parity index for achievement in mathematics; by education level (ratio)
4.5.1	SE_URP_REAACH	Rural to urban parity index for achievement in reading; by education level (ratio)

indicator	series	seriesDescription
4.5.1	SE_GPI_PART	Gender parity index for participation rate in formal and non-formal education and training (ratio)
4.5.1	SE_LGP_ACHIRE	Language test parity index for achievement in reading; by education level (ratio)
4.5.1	SE_LGP_ACHIMA	Language test parity index for achievement in mathematics; by education level (ratio)
4.6.1	SE_ADT_FUNS	Proportion of population achieving at least a fixed level of proficiency in functional skills; by sex; age and type of skill (%)
4.a.1	SE_ACC_COMP	Schools with access to computers for pedagogical purposes; by education level (%)
4.a.1	SE_ACC_DWAT	Schools with access to basic drinking water; by education level $(\%)$
4.a.1	SE_ACC_ELEC	Schools with access to electricity; by education level (%)
4.a.1	SE_ACC_HNWA	Schools with basic handwashing facilities; by education level (%)
4.a.1	SE_ACC_INTN	Schools with access to the internet for pedagogical purposes; by education level $(\%)$
4.a.1	SE_ACC_SANI	Schools with access to access to single-sex basic sanitation; by education level $(\%)$
4.a.1	SE_INF_DSBL	Proportion of schools with access to adapted infrastructure and materials for students with disabilities; by education level (%)
4.b.1	DC_TOF_SCHIPSL	Total official flows for scholarships; by recipient countries (millions of constant 2017 United States dollars)
4.c.1	SE_TRA_GRDL	Proportion of teachers who have received at least the minimum organized teacher training (e.g. pedagogical training) pre-service or in-service required for teaching at the relevant level in a given country; by sex and education level (%)
5.2.1	VC_VAW_MARR	Proportion of ever-partnered women and girls subjected to physical and/or sexual violence by a current or former intimate partner in the previous 12 months; by age (%)
5.3.1	SP_DYN_MRBF18	Proportion of women aged 20-24 years who were married or in a union before age 18 (%)
5.3.1	SP_DYN_MRBF15	Proportion of women aged 20-24 years who were married or in a union before age 15 $(\%)$
5.3.2	SH_STA_FGMS	Proportion of girls and women aged 15-49 years who have undergone female genital mutilation/cutting; by age (%)
5.4.1	SL_DOM_TSPDCW	Proportion of time spent on unpaid care work; by sex; age and location $(\%)$
5.4.1	SL_DOM_TSPDDC	Proportion of time spent on unpaid domestic chores; by sex; age and location (%)
5.4.1	SL_DOM_TSPD	Proportion of time spent on unpaid domestic chores and care work; by sex; age and location (%)
5.5.1	SG_GEN_PARLN	Number of seats held by women in national parliaments (number)
5.5.1	SG_GEN_PARLNT	Number of seats in national parliaments (number)
5.5.1	SG_GEN_PARL	Proportion of seats held by women in national parliaments (% of total number of seats)
5.5.2	IC_GEN_MGTL	Proportion of women in managerial positions $(\%)$
5.5.2	IC_GEN_MGTN	Proportion of women in senior and middle management positions $(\%)$

indicator	series	seriesDescription
5.6.1	SH_FPL_INFM	Proportion of women who make their own informed decisions regarding sexual relations; contraceptive use and reproductive health care (% of women aged 15-49 years)
5.6.1	SH_FPL_INFMSR	Proportion of women who make their own informed decisions regarding sexual relations (% of women aged 15-49 years)
5.6.1	SH_FPL_INFMCU	Proportion of women who make their own informed decisions regarding contraceptive use (% of women aged 15-49 years)
5.6.1	SH_FPL_INFMRH	Proportion of women who make their own informed decisions regarding reproductive health care (% of women aged 15-49 years)
6.1.1	SH_H2O_SAFE	Proportion of population using safely managed drinking water services; by urban/rural (%)
6.2.1	SH_SAN_HNDWSH	Proportion of population with basic handwashing facilities on premises; by urban/rural (%)
6.2.1	SH_SAN_SAFE	Proportion of population using safely managed sanitation services; by urban/rural (%)
6.2.1	SH_SAN_DEFECT	Proportion of population practicing open defectaion; by urban/rural (%)
6.6.1	EN WBE PMPR	Water body extent (permanent) (% of total land area)
6.6.1	EN WBE PMNR	Water body extent (permanent) (square kilometres)
6.6.1	EN_WBE_PMPP	Water body extent (permanent and maybe permanent) (% of total land area)
6.6.1	EN_WBE_PMPN	Water body extent (permanent and maybe permanent) (square kilometres)
6.a.1	DC_TOF_WASHL	Total official development assistance (gross disbursement) for water supply and sanitation; by recipient countries (millions of constant 2017 United States dollars)
7.1.1	EG_ELC_ACCS	Proportion of population with access to electricity; by urban/rural (%)
7.2.1	EG_FEC_RNEW	Renewable energy share in the total final energy consumption (%)
7.3.1	EG_EGY_PRIM	Energy intensity level of primary energy (megajoules per constant 2011 purchasing power parity GDP)
7.a.1	EG_IFF_RANDN	International financial flows to developing countries in support of clean energy research and development and renewable energy production; including in hybrid systems (millions of constant 2016 United States dollars)
8.1.1	NY_GDP_PCAP	Annual growth rate of real GDP per capita (%)
8.10.1	$\overline{\mathrm{FB}}_{\mathrm{ATM}}^{\mathrm{TOTL}}$	Number of automated teller machines (ATMs) per 100;000 adults
8.10.1	FB_CBK_BRCH	Number of commercial bank branches per 100;000 adults
8.10.2	FB_BNK_ACCSS	Proportion of adults (15 years and older) with an account at a financial institution or mobile-money-service provider; by sex ($\%$ of adults aged 15 years and older)
8.2.1 8.3.1	SL_EMP_PCAP SL_ISV_IFRM	Annual growth rate of real GDP per employed person (%) Proportion of informal employment in non-agriculture employment; by sex (ILO harmonized estimates) (%)
8.5.1	SL_EMP_AEARN	Average hourly earnings of managers (ISCO-08) (local currency)
8.5.2	SL_TLF_UEM	Unemployment rate; by sex and age (%)
8.5.2	$\operatorname{SL_TLF_UEMDIS}$	Unemployment rate; by sex and disability (%)

indicator	series	seriesDescription
8.6.1	SL_TLF_NEET	Proportion of youth not in education; employment or training; by sex and age $(\%)$
8.7.1	SL_TLF_CHLDEC	Proportion of children engaged in economic activity and household chores; by sex and age (%)
8.7.1	SL_TLF_CHLDEA	Proportion of children engaged in economic activity; by sex and age (%)
8.8.1	SL_EMP_FTLINJUR	Fatal occupational injuries among employees; by sex and migrant status (per 100;000 employees)
8.8.1	SL_EMP_INJUR	Non-fatal occupational injuries among employees; by sex and migrant status (per 100;000 employees)
8.a.1	DC_TOF_TRDCMDL	Total official flows (commitments) for Aid for Trade; by donor countries (millions of constant 2017 United States dollars)
8.a.1	DC_TOF_TRDDBMDL	Total official flows (disbursement) for Aid for Trade; by donor countries (millions of constant 2017 United States dollars)
8.a.1	$DC_TOF_TRDDBML$	Total official flows (disbursement) for Aid for Trade; by recipient countries (millions of constant 2017 United States dollars)
8.a.1	DC_TOF_TRDCML	Total official flows (commitments) for Aid for Trade; by recipient countries (millions of constant 2017 United States dollars)
9.2.1	NV_IND_MANFPC	Manufacturing value added per capita (constant 2010 United States dollars)
9.2.1	NV IND MANF	Manufacturing value added as a proportion of GDP (%)
9.2.2	SL_TLF_MANF	Manufacturing employment as a proportion of total employment (%)
9.3.1	NV_IND_SSIS	Proportion of small-scale industries in total industry value added (%)
9.3.2	FC_ACC_SSID	Proportion of small-scale industries with a loan or line of credit (%)
9.4.1	EN_ATM_CO2	Carbon dioxide emissions from fuel combustion (millions of tonnes)
9.4.1	EN_ATM_CO2MVA	Carbon dioxide emissions per unit of manufacturing value added (kilogrammes of CO2 per constant 2010 United States dollars)
9.4.1	EN_ATM_CO2GDP	Carbon dioxide emissions per unit of GDP (kilogrammes of CO2 per constant 2010 United States dollars)
9.5.1	GB_XPD_RSDV	Research and development expenditure as a proportion of GDP (%)
9.5.2	GB_POP_SCIERD	Researchers (in full-time equivalent) per million inhabitants (per 1;000;000 population)
9.a.1	DC_TOF_INFRAL	Total official flows for infrastructure; by recipient countries (millions of constant 2017 United States dollars)
9.b.1	NV_IND_TECH	Proportion of medium and high-tech industry value added in total value added (%)
9.c.1	IT_MOB_NTWK	Proportion of population covered by a mobile network; by technology (%)