The Sustainable Development Report series

Guillaume Lafortune, Vice President and Head of Paris Office, SDSN

Rosstat Conference, "International country and city rankings: methodology, data, transparency", 28 September 2021

SUSTAINABLE DEVELOPMENT SOLUTIONS NETWORK A GLOBAL INITIATIVE FOR THE UNITED NATIONS

Measuring SDG progress: Three main points

- (1) Outcome-based international SDG assessments are good "entrypoints" but **must be complemented** with other pieces of information and data (policy trackers, IAM, CGE etc.) to inform SDG actions
- (2) **Different methodologies** to track SDG progress and performance **generate different results**.
 - Our assessment reveals three drivers of these differences for EU countries: (1) Pre-defined performance thresholds; (2) Data sources; (3) Coverage of transboundary impacts ("international spillovers")
- (3) International spillovers must be carefully understood and measured so that (rich) countries' actions do not undermine other countries' ability to achieve the SDGs





For more information on this report visit: cambridge.org/SDR2021



E-mail: info@sdgindex.org



Download the reports and databases at: www.sdgindex.org

SDG Index and Dashboards: Global, Regional and Subnational editions (2015–2021)

Global editions



Regional editions



Subnational editions





Measuring Sustainable Development

https://sdgacademy.org/

SUSTAINABLE DEVELOPMENT SOLUTIONS NETWORK A GLOBAL INITIATIVE FOR THE UNITED NATIONS

Feedback from governments, business and society

International organizations



UN Deputy Secretary-General Amina J. Mohammed:

"The SDG Index and Dashboards help countries prioritize areas for action and help civil society groups to hold governments accountable."



Prime Ministers and Ministers



Finnish PM Sanna Marin: "We are proud of our ranking, but we still have a lot to do in order to achieve all of the SDGs."



Ministerin Karoline Edtstadler (ÖVP) Picturedesk

Bei der Umsetzung der Nachhaltigkeitsziele hat sich Österreich auf Platz 6 verbessert, wie Kanzleramtsministerin Karoline Begort 2020 Nater Hereit 1996



National - Bearlingford and functional and datase - Bearling for the second State

ternational SDG rating



HIGH-LEVEL POLITICAL FORUM

Key stakeholders



Press Release: The EU Should Make 2021 the "Super Year" for Achieving the Sustainable Development Goals in Europe and Globally, Shows New Report by SDSN and IEEP

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2021

How the EU can help

implementation of the SDGs internally

and worldwide in

accelerate the





Klaus Schwab, Founder and Executive Chairman of the World Economic Forum: "The SDG Index will increase the accountability that is urgently needed when it comes to Agenda 2030 and will promote its implementation."



SDG Index Finds No European Country on Track, Green Deal Brings Potential



ODD : la France se classe 9e dans le classement européen du SDSN



Method summary

- 1. Calculates distance to invariant sustainable development targets
- 2. Uses official (two-thirds) and nonofficial data (one-third)
- 3. Includes around 100 indicators
- 4. Aggregates across all 17 SDGs
- 5. Strong emphasis on accessibility and communication
- 6. Peer-reviewed and statistically audited methodology (Nature geoscience, Cambridge University Press, JRC)



PERSPECTIVE

geoscience

National baselines for the Sustainable Development Goals assessed in the SDG Index and Dashboards

Guido Schmidt-Traub1*, Christian Kroll⁹, Katerina Teksoz¹, David Durand-Delacre¹ and Jeffrey D. Sachs¹

Socialisable Development Goals (SDGs) — agreed is 2015 by all 193 member states of the United Nations and complefield by commitments made is the Porte Agreement — may said a liveral spectrum of economic, sciola and anticommetal results and the economic operation of the Porte Agreement — may said a liveral spectrum of economic, sciola and anticommetal results in monitoring and manaring program. There on introduces the SDG binks and Babbabba sa analytical babb results. The bicks and analytic program is a special babbab science of the SDG binks and Babbabbab science of the SDG binks and SDB babbab science which are also science of the SDG binks and SDB babbab science which and sphere and sphere and sphere and sphere of the SDG binks and and SDB babbab science which science of the SDG science of the SDG babbab science of the SDG science of t

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Guillaume Lafortune, Grayson Fuller, Jorge Moreno, Guido Schmidt-Traub, Christian Kroll



SDG Index Score

Access more detailed results at: www.sdgindex.org

World Progress on the SDG Index

2020: A major setback for sustainable development everywhere



Note: Population-weighted averages *Source:* Authors' analysis

VEVELOPMENT

FINLAND

V OVERALL PERFORMANCE

/165

COUNTRY RANKING

Finland

OECD Countries

50G

50G

AVERAGE PERFORMANCE BY SDG

Finland

9755 Q

SDG

SDG 10





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Performance by Indicator

SDG1 – No Poverty	Value Year Rating Trend	SDG9 – Industry, Innovation and Infrastructure	Value Year Ba	atingTrend	
overty headcount ratio at \$1,90/day (%)	0.1 2021 • 1	Population using the internet (%)	89.6 2019		
overty headcount ratio at \$3.20/day (%)	0.1 2021 • 🕇	Mobile broadband subscriptions (per 100 population)	154.9 2019		
overty rate after taxes and transfers (96)	6.5 2018 🔹 个	Logistics Performance Index: Quality of trade and transport-related	4.0 2018		
DG2 – Zero Hunger		infrastructure (worst 1–5 best)	4.0.22130	100	
evalence of undernourishment (%)	2.5 2018 • 1	The Times Higher Education Universities Ranking: Average score of top 3 universities (worst 0–100 best)	53.8 2021		
evalence of stunting in children under 5 years of age (%)	• 2,6 2018 • 🕈	Scientific and technical journal articles (per 1,000 population)	1.9 2018		
revalence of wasting in children under 5 years of age (%)	• 0.7 2018 • 🕈	Expenditure on research and development (% of GDP)	2.8 2018		
evalence of obesity, BMI \geq 30 (% of adult population)	22.2 2016 🔍 🔶	Researchers (per 1,000 employed population)	14.5 2018		
uman Trophic Level (best 2–3 worst)	2.6 2017 🔹 🚽	Triadic patent families filed (per million population)	48.2 2018		
ereal yield (tonnes per hectare of harvested land)	3,0 2018 • 1 0,5 2015 • 4	Gap in internet access by income (percentage points)	14.9 2019		
ustainable Nitrogen Management Index (best 0–1.41 worst) eld gap closure (% of potential yield)	51.6 2015	Female share of graduates from STEM fields at the tertiary level (%)	27.4 2017	• →	
ports of hazardous posticides (tonnes per million population)	1.4 2018 • •	SDG10 – Reduced Inequalities			
DG3 – Good Health and Well-Being		Gini coefficient adjusted for top income	28.7 2015		
laternal mortality rate (per 100.000 live births)	3 2017 🔹 🛧	Palma ratio	1,0 2018		
eonatal mortality rate (per 1,000 live births)	1.4 2019	Elderly poverty rate (% of population aged 66 or over)	7.2 2018	• •	
lortality rate, under-5 (per 1,000 live births)	2.4 2019 • 🕇	SDG11 – Sustainable Cities and Communities			
cidence of tuberculosis (per 100,000 population)	4.7 2019 • 1	Proportion of urban population living in slume (%)	0.0 2018	. 0	
ew HIV infections (per 1,000 uninfected population)	NA NA 🛛 🔿	Annual mean concentration of particulate matter of less than	5.5 2019	• 1	
ge-standardized death rate due to cardiovascular disease, cancer,	10.2 2016 💿 个	2.5 microns in diameter (PM2.5) (µg/m ³)			
cliabetes, or chronic respiratory disease in adults aged 30–70 years (%)		Access to improved water source, piped (% of urban population)	100.0 2017		
ge-standardized death rate attributable to household air pollution and ambient air pollution (per 100,000 population)	7 2016 🔍 🛡	Satisfaction with public transport (%)	61 2020 8.8 2019		
raffic deaths (per 100,000 population)	3.9 2019 • 1	Population with rent overburden (%)	0.0 2019		
ife expectancy at birth (years)	81.6 2019 • 1	SDG12 – Responsible Consumption and Production	-	-	
dolescent fertility rate (births per 1,000 females aged 15 to 19)	5.7 2018 • 1	Electronic waste (kg/capita) Reduction is used SD, emissions (kg/capita)	19.8 2019 96.1 2012		
irths attended by skilled health personnel (%)	99.9 2015 🔹 👁	Production-based SO ₂ emissions (kg/capita) SO ₂ emissions embodied in imports (kg/capita)	96.1 2012		
urviving infants who received 2 WHO-recommended vaccines (%)	91 2019 🔹 个	Production-based nitrogen emissions (kg/capita)	43.0 2010		
Iniversal health coverage (UHC) index of service coverage (worst 0–100 best)		Nitrogen emissions embodied in imports (kg/capita)	11.9 2010		
ubjective well-being (average ladder score, worst 0–10 best)	7.9 2020 🔹 个	Non-recycled municipal solid waste (kg/capita/day)	0.9 2018		
ap in life expectancy at birth among regions (years)	1.1 2016 • •	SDG13 – Climate Action			
ap in self-reported health status by income (percentage points)	27.7 2019 • 4	CO2 emissions from fossil fuel combustion and cement production			
aily smokers (% of population aged 15 and over)	1347 2019	(tC0)/capita)	7.5 2019	• +	
DG4 – Quality Education	-	CO2 emissions embodied in imports (tCO2/capita)	2.6 2015	• +	
let primary enrollment rate (%)	98.7 2018 • 1	CO2 emissions embodied in fossil fuel exports (kg/capita)	0.0 2020		
	NA NA .	Carbon Pricing Score at EUR60/tCO2 (%, worst 0-100 best)	35.3 2018		
iteracy rate (% of population aged 15 to 24) articipation rate in pre-primary organized learning (% of children aged 4 to 6)		SDG14 – Life Below Water			
ertiary educational attainment (% of population aged 25 to 34)	41.8 2019 • 1	Mean area that is protected in marine sites important to biodiversity (%)	61.0 2019	• -	
ISA score (worst 0-600 best)	516.3 2018 • 1	Ocean Health Index: Clean Waters score (worst 0–100 best)	70.1 2020		
ariation in science performance explained by socio-economic status (%)	10.5 2018 • 🛧	Fish caught from overexploited or collapsed stocks (% of total catch)	6.2 2014	• 1	
Inderachievers in science (% of 15-year-olds)	12.9 2018 🔹 个	Fish caught by trawling or dredging (%)	0.0 2016		
esilient students in science (% of 15-year-olds)	41.5 2018 🔹 个	Fish caught that are then discarded (%)	0.2 .2016		
iDG5 – Gender Equality		Marine biodiversity threats embodied in imports (per million population)	0.1 2018	0 0	
lemand for family planning satisfied by modern methods	• 90.4 2020 • 1	SDG15 – Life on Land			
(%) of females aged 15 to 49)		Mean area that is protected in terrestrial sites important to biodiversity (%)	71.8 2019		
latio of female-to-male mean years of education received (%)	103.2 2019 • 1	Mean area that is protected in freshwater sites important to biodiversity (%)	73.7 2019		
tatio of female-to-male labor force participation rate (%) eats held by women in national parliament (%)	88.5 2019 • 1	Red List Index of species survival (worst 0–1 best)	1.0 2020		
eats neid by women in national panlament (%) sender wage gap (% of male median wage)			0.0.0011		
	46.0 2020 • 1	Permanent deforestation (% of forest area, S-year average)	0.0 2018		
	18.9 2018 💩 🕹	Terrestrial and freshwater biodiversity threats embodied in imports	0.0 2018 2.0 2018		
ender gap in time spent doing unpaid work (minutes/day)		Terrestrial and freshwater biodiversity threats embodied in imports (per million population)			-
ender gap in time spent doing unpaid work (minutes/day) iDG6 – Clean Water and Sanitation	18.9 2018 • 🕹 78.3 2010 • •	Terrestrial and freshwater biodiversity threats embodied in imports (per million population) SDG16 – Peace, Justice and Strong Institutions	2.0 2018	• •	
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50G 13 905 12 STATISTICAL PERFORMANCE INDEX 0 (WORST) TO 100 (BEST) 88.5 100 SDG DASHBOARDS AND TRENDS

COUNTRY SCORE

85.9

REGIONAL AVERAGE: 77.2



Notes: The full title of Soal 2 "Zero Hanger" is "End hunger, achieve food security and improved nutrition and promote sustainable agriculture" The full title of each SDG is available here: https://sustainabledevelopment.un.org/topics/sustainabledevelopmentgoals

V INTERNATIONAL SPILLOVER INDEX



(% of population aged 15 to 29) * Imputed data point

215

Regional and subnational data platforms









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Comparison of 4 SDG monitoring instruments in Europe	Org
Artide How Is Progress towards the Sustainable Development Goals Measured? Comparing Four	
Approaches for the EU Guillaume Lafortune ^{1,*} , Grayson Fuller ¹ , Guido Schmidt-Traub ¹ and Christian Kroll ² ⁶ ¹ Sustainable Development Solutions Network, 75009 Paris, France; grayson.fuller@unsdsr.org (G.F.); guido.schmidt-traub@unsdsr.org (G.S.T.) ² SDG Index & Dashboards, Bertelsmann Stiftung, 10117 Berlin, Germany; christian.kroll@bertelsmann.stiftung.de * Correspondence: guillaume.lafortune@unsdsr.org, TeL: +33-6-60-27-57-50	
Received: 3 August 2020; Accepted: 11 September 2020; Published: 17 September 2020 Abstract: Evidence-based policymaking must be rooted in sound data to inform policy priorities, budget allocations, and tracking of progress. This is especially true in the case of the Sustainable Development Goals (SDGs), as they provide the policy framework that all 193 UN member states have pledged to achieve by 2030. Good data and clear metrics are critical for each country to take stock of where it stands, devise pathways for achieving the goals, and track progress. Current assessments of the EU's performance on the SDGs, however, tend to reach different findings and policy conclusions on where the priorities for further action lie, which can be confusing for researchers and policymakers. In order to demystify the drivers of such differences and make them transparent, this paper compares and contrasts the results obtained by four SDG monitoring approaches. We identify three main elements that are responsible for most of the differences: (i) the use of pre-defined targets for calculating baseline assessments and countries' trajectories; (ii) the inclusion of measures that track not only domestic performance, but also the EU's transboundary impacts on the rest of the word; and (iii) the use of non-official statistics to bridge data gaps, especially for biodiversity goals. This paper concludes that there is not one "correct" way of providing an assessment of whether the EU and EU member states are on track to achieve the goals, but we illustrate how the different results are the outcomes of certain methodological choices. More "forward-looking" policy trackers are needed to assess implementation efforts on key SDG transformations.	E
Keywords: Sustainable Development Goals; Agenda 2030; European Union; statistics; international spillovers; transboundary impacts; policy trackers	

Organization	Report title	Latest edition	Number of indicators	Includes baseline assessment ("static")	Includes assessment of countries' trajectories ("dynamic)	Pre-defined targets to achieve by 2030	Data sources	Covers transboundar y impacts
SDSN	Europe Sustainable Development Report	2020	113	Yes	Yes	Yes	Mix of official and non- official statistics	Yes
OECD	Measuring Distance to SDG Targets	2019	132	Yes	Yes	Yes	Mainly official statistics	Partly
Eurostat	Monitoring report on progress towards the SDGs in an EU context	2020	100	No	Yes	Partly	Mainly official statistics	Partly
ASviS	Measuring the situation of the European Union with regard to the SDGs	2020	77	No	Yes	No	Mainly official statistics	No

A GLOBAL INITIATIVE FOR THE UNITED NATIONS

International spillovers and the SDGs



Access more detailed results at: www.sdgindex.org

Regional average SDG Index score against International Spillover Index score

- Environmental and social spillovers embodied into trade
- Direct cross-border flows in air and water
- International economic and financial flows
- Peace keeping and security



SUSTAINABLE DEVELOPMENT SOLUTIONS NETWORK A GLOBAL INITIATIVE FOR THE UNITED NATIONS

Global Commons Stewardship Index



Center for Global Commons at the University of Tokyo Sustainable Development Solutions Network Vale Center for Environmental Law & Policy

PILOT VERSION

2020



Working Paper

18 June 2021

Global Commons Stewardship Index:

A Statistical Review of the Pilot Methodology

Zachary A. Wendling¹, Reed Miller², Salma Dahir¹, Guillaume Lafortune¹, Daniel C. Esty², Guido Schmidt-Traub³, Naoko Ishii⁴, and Akiyuki Kawasaki⁴

¹ Sustainable Development Solutions Network (SDSN) ² Yale Center for Environmental Law & Policy, Yale University ³ SYSTEMIO ⁴ Center for Global Commons, University of Tokyo











Existing international environmental benchmarks vs log GDP per capita

Figure 10.1. Correlation between existing environmental country-level benchmarks (latest year available) and GDP per capita (logged)

(a) Environmental Performance Index (r = 0.86)

100-

(b) Green Growth Index (r = 0.56)

5.5



GCSI vs other international environmental benchmarks

Figure 2. Comparisons of Pilot GCS Index scores and ranks with other composite indices of environmental impacts.



NT

International spillovers : Make globalization and trade work for people and planet in the face of the pandemic

- International Spillover Index
- Working with the European Commission on spillover indicators in the SDG context
- Supply chains' specific studies
- Policy work and business implications



Social spillover effects in the EU's textile supply chains Arunima Malik, Guillaume Lafortune, Sarah Carter, Mengyu Li, Manfred Lenzen

October 2020



International spillover effects in the EU's textile supply chains: A global SDG assessment

Arunima Malik * ⁴ 2: Di, Guillaume Lafortune *, Sarah Caner ⁴, Mengyu Li *, Manfred Lenzen *, Ohnstian Kroll * Show more: 🗸

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https://doi.org/10.1016/j.jenvman.2021.113037

Highlights

- Spillovers can hinder a country's progress towards the UN SDGs.
- Substantial international spillover effects are embodied in the EUs textile supply chains.
- Multi-regional input-output analysis can serve to identify hotspots of socio-economic impacts.
- Spillover effects need to be included in policy-related strategic instruments.







FIXING THE BUSINESS OF FOOD



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