1 No poverty

2015-2019
Output, Impact, Collaboration

Research supporting SDG1 has grown since 2015, with a compound annual growth rate of 4.5% compared to nearly 3.5% for research in all fields.

The US produces the most research supporting SDG1, followed by the United Kingdom, China, India and Australia. Seven of the 10 most prolific locations are high income locations (accounting for more than 6,300 publications); two are upper-middle income locations (China and South Africa) and one is a lower-middle income location (India). Four low income locations featured in the top 50: Ethiopia (122 publications), Tanzania (82 publications), Uganda (70 publications) and Nepal (58 publications).

The top five locations for which research on SDG1 represents the largest share of their research portfolio are Ghana, Kenya, Ethiopia, Bangladesh and Nigeria.

International collaboration yielded 26% of research on SDG1. High income locations collaborated with low income locations on 7% of their total SDG1 research, while nearly 70% of the related output from low income locations came from collaboration with high income locations.

As a measure of academic impact measured by citation, the field weighted citation impact (FWCI) for SDG1 research was above average for four out of five years, with an average of 1.07 over the period.

11,323
Publications in period

4.5%
Compound Annual Growth Rate in the period

62.4%
Publications from high-income locations

1.2%
Academic corporate collaboration

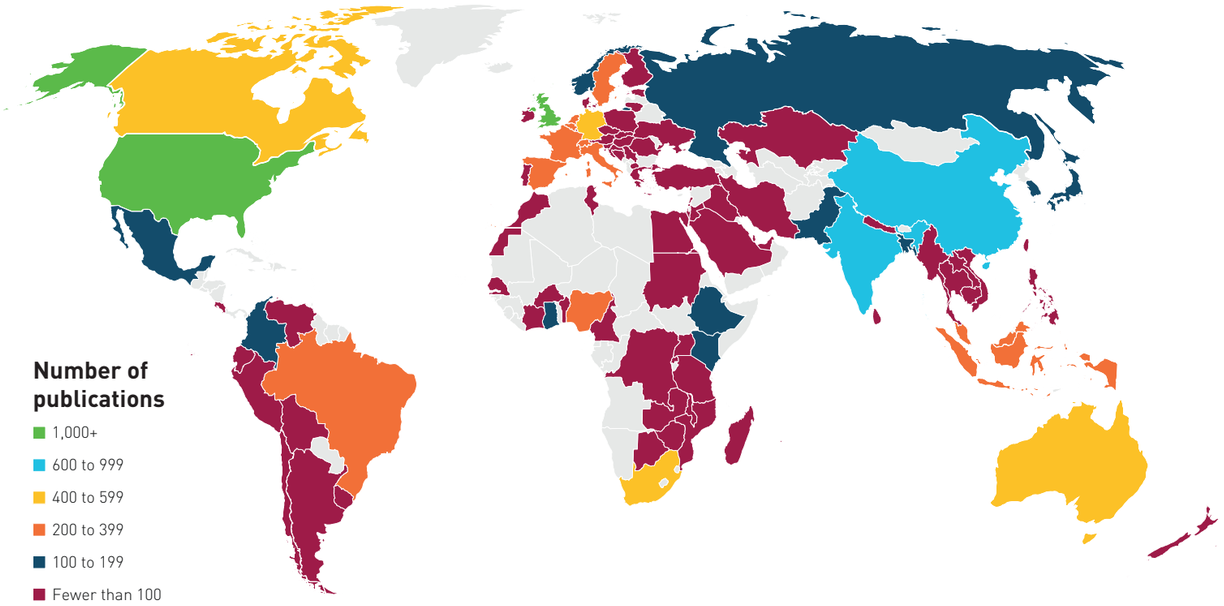
2.1%
Publications from low-income locations

1.07
Field-Weighted Citation Impact

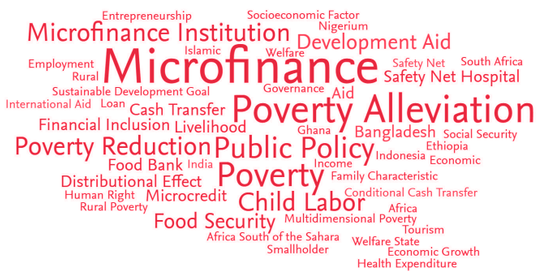
25.9%
Publications with international collaboration

What is FWCI?

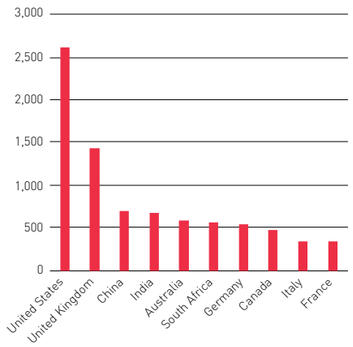
Field-weighted citation impact is an indicator of scholarly impact based on the number of times the publication was cited in other research. An FWCI of above 1.0 indicates the impact is above the normalised average



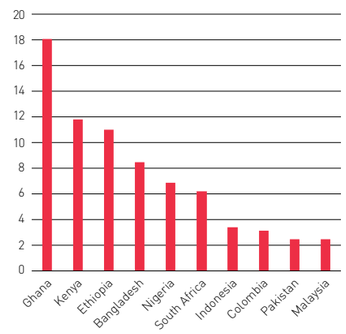
Key themes in SDG1 Research



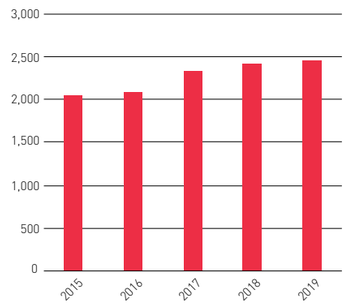
Top 10 locations by publication



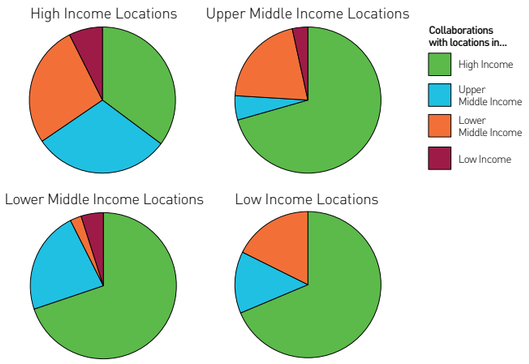
Top 10 locations by RAI
*(Relative Activity Index)



Volume of publications supporting SDG1

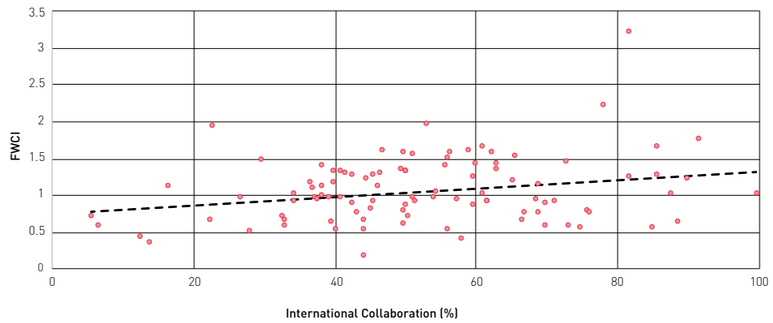


International collaboration between income groups by location

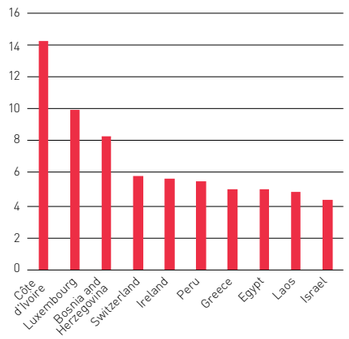


International collaboration and research impact

*Relative Activity Index is a measure of the proportion of the country's research output in the subject, relative to the proportion seen globally



Top 10 locations for corporate-academic collaboration



RELX SDG Resource Centre

ELSEVIER

This analysis builds on Elsevier's Sustainability Science in a Global Landscape report, which was released in 2015 to coincide with the launch of the SDGs. See a 2017 update on key findings on the RELX SDG Resource Centre.
Help us to provide insight into SDG research.
Click here to review the research

See the methodology and definitions

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