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Affordable and clean energy

2015-2019
Output, Impact, Collaboration

Research supporting SDG7 has grown since 2015, with a compound annual growth rate of 9.1% compared to nearly 3.5% for research in all fields.

China produces the most research supporting SDG7, followed by the US, India, Germany and the United Kingdom. Eight of the 10 most prolific locations are high income locations (accounting for more than 167,700 publications); one is an upper-middle income location (China) and one is a lower-middle income location (India). No low income locations featured in the top 50.

The top five locations for which research on SDG7 represents the largest share of their research portfolio are Morocco, Algeria, Latvia, Qatar and Mauritius.

International collaboration yielded 23% of research on SDG7. High income locations collaborated with low income locations on less than 1% of their total SDG7 research, while 51% 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 SDG7 research was above average every year, with an average of 1.49 over the period.

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

383,354
Publications in period

9.1%
Compound Annual Growth Rate in the period

57.2%
Publications from high-income locations

3.9%
Academic corporate collaboration

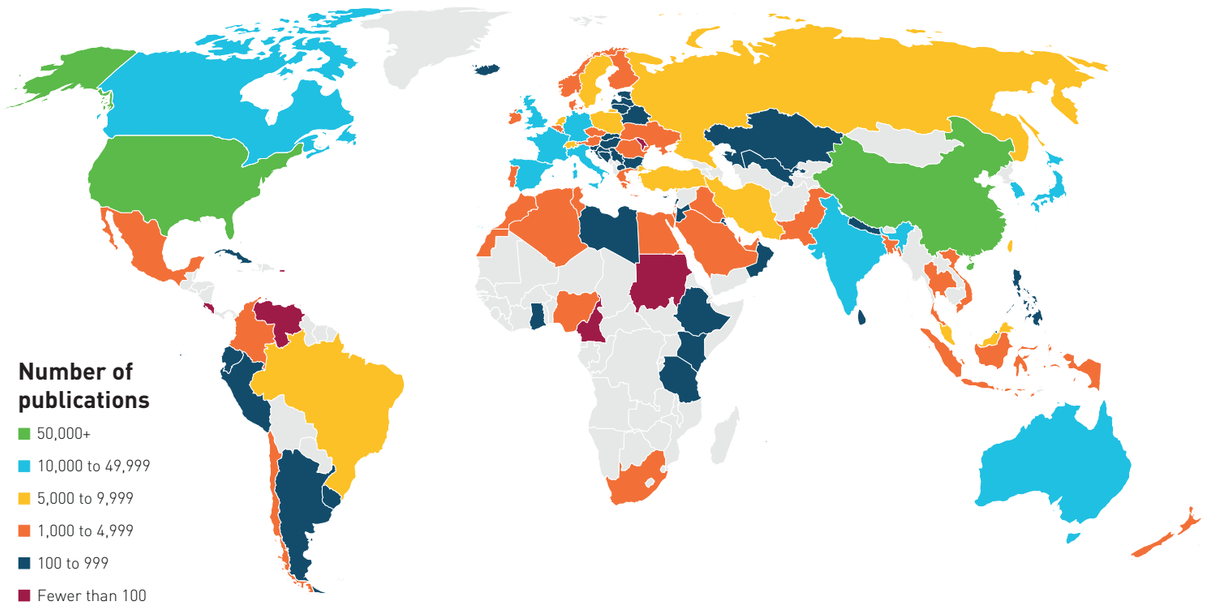
0.1%
Publications from low-income locations

1.49
Field-Weighted Citation Impact

22.6%
Publications with international collaboration

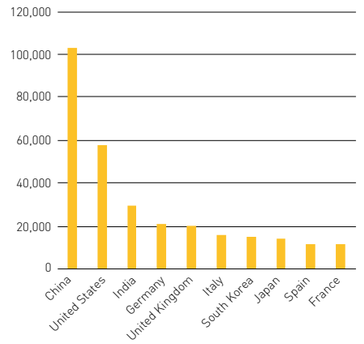
What is FWCI?

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

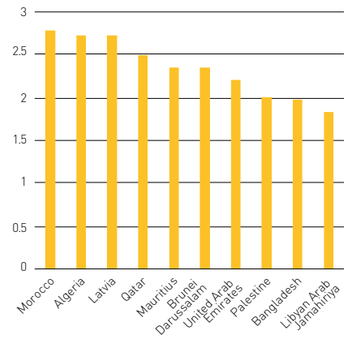


Key themes in SDG7 Research

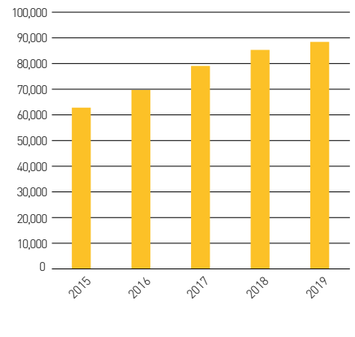
Top 10 locations by publication



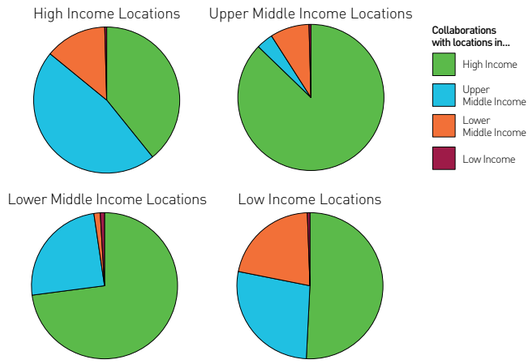
Top 10 locations by RAI
*(Relative Activity Index)



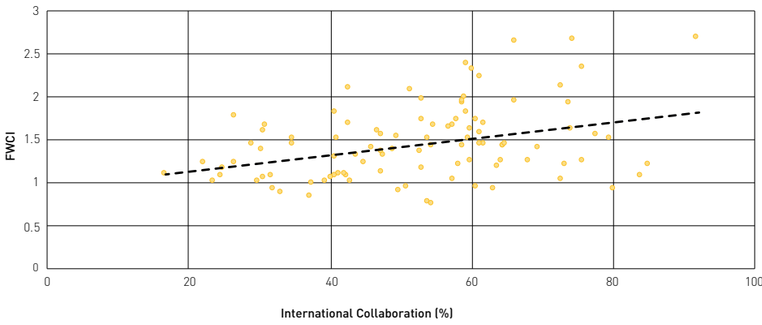
Volume of publications supporting SDG7



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