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Sustainable Cities and Communities

2015-2019 Output, Impact, Collaboration

Research supporting SDG11 has grown since 2015, with a compound annual growth rate of 13.1% compared to nearly 3.5% for research in all fields.

China produces the most research supporting SDG11, followed by the US, United Kingdom, India and Italy. Seven of the 10 most prolific locations are high income locations (accounting for more than 62,500 publications); two are upper-middle income locations (China and Brazil) 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 SDG11 represents the largest share of their research portfolio are Ghana, Sri Lanka, Philippines, Ecuador and Nepal.

International collaboration yielded 23% of research on SDG11. High income locations collaborated with low income locations on 1% of their total SDG11 research, while 65% 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 SDG11 research was above average every year, with an average of 1.22 over the period.

RELX
SDG Resource Centre



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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141,331

Publications in period

13.1%

Compound Annual Growth Rate in the period

60.4%

Publications from high-income locations

1.8%

Academic corporate collaboration

0.3%

Publications from low-income locations

1.22

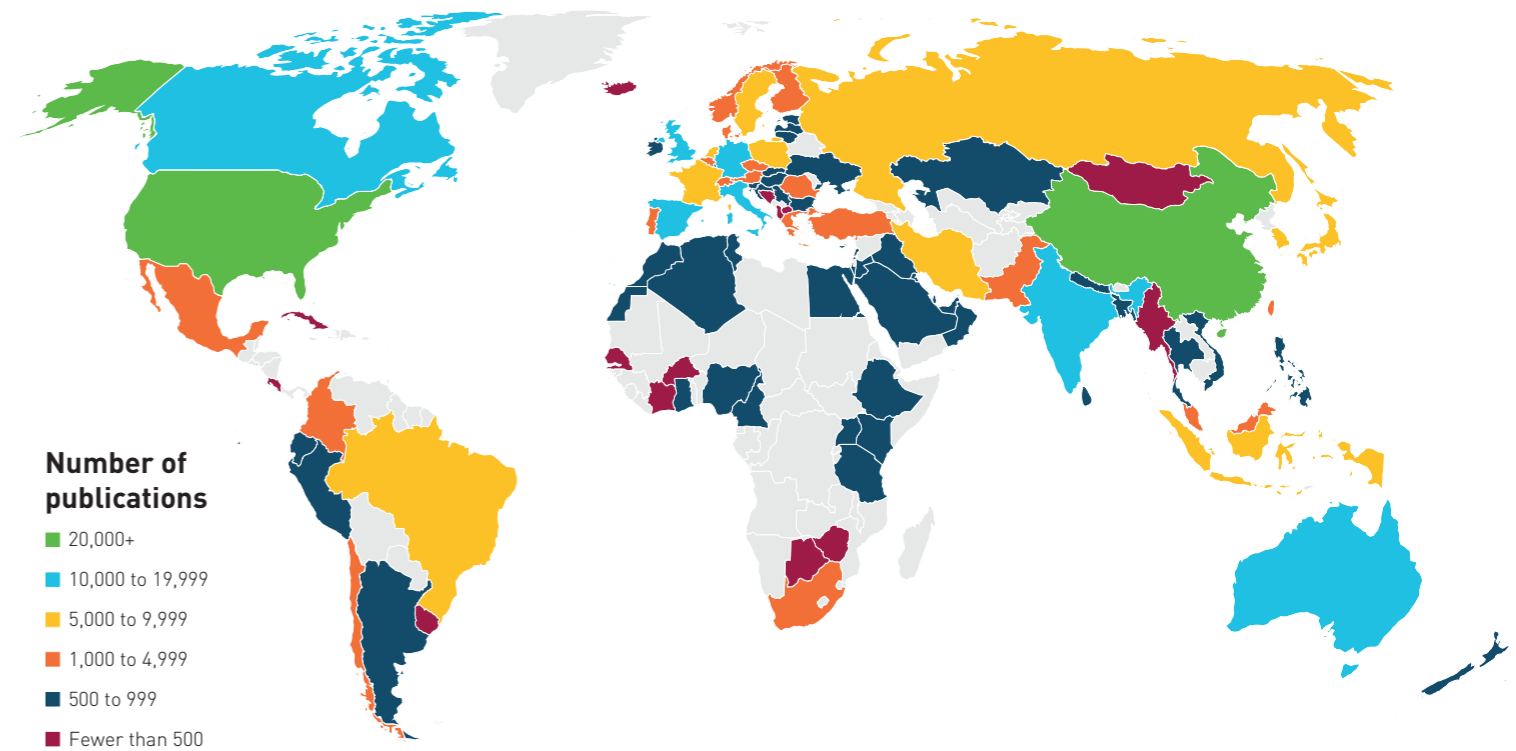
Field-Weighted Citation Impact

22.6%

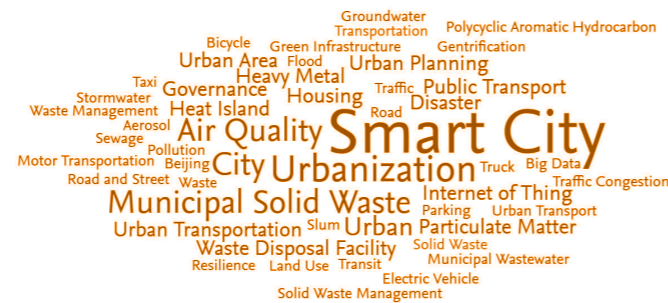
Publications with international collaboration

What is FWCI?

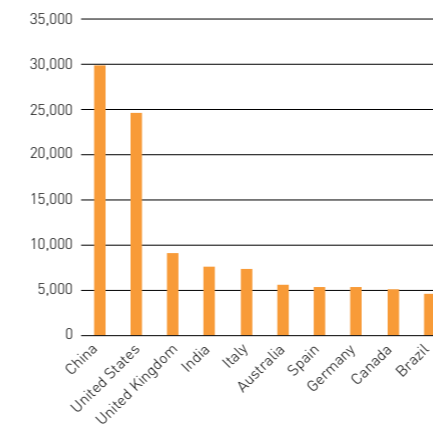
Field-weighted citation impact is an indicator of scholarly impact based on the number of times the publication was cited in other research. An FWCI of above 1.0 indicates the impact is above the normalised average



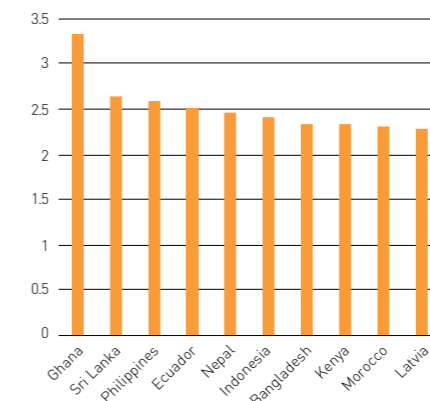
Key themes in SDG11 Research



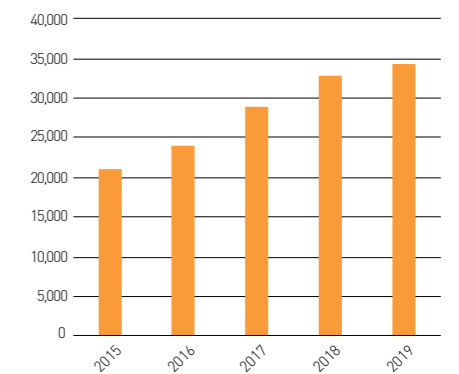
Top 10 locations by publication



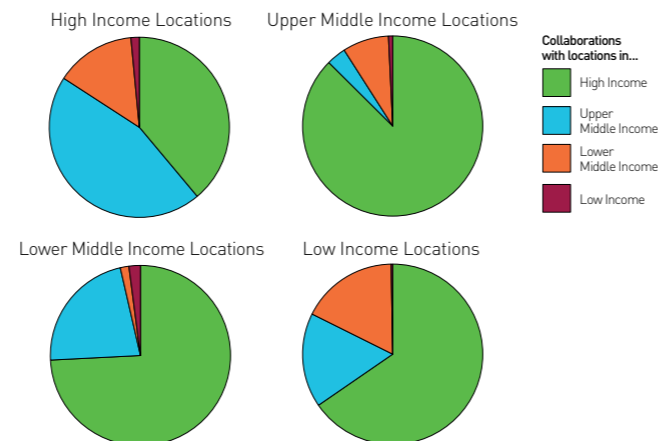
Top 10 locations by RAI *(Relative Activity Index)



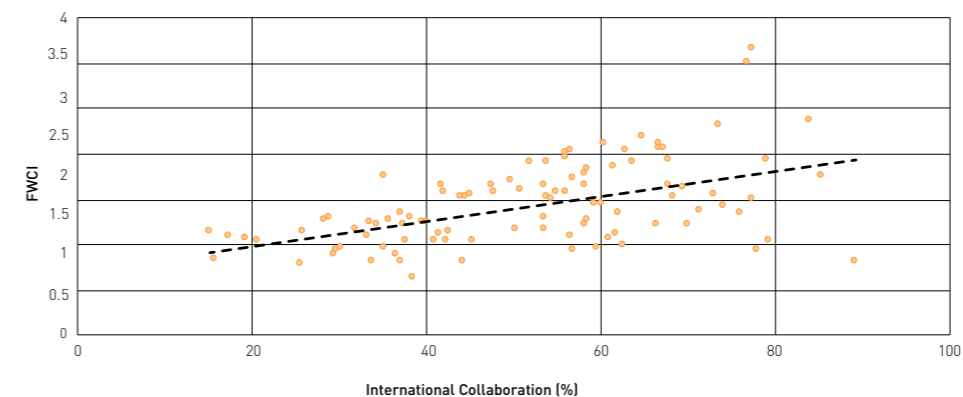
Volume of publications supporting SDG11



International collaboration between income groups by location



International collaboration and research impact



Top 10 locations for corporate-academic collaboration

