13 Climate action

2015-2019
Output, Impact, Collaboration

Research supporting SDG13 has grown since 2015, with a compound annual growth rate of 6.3% compared to nearly 3.5% for research in all fields.

The US produces the most research supporting SDG13, followed by China the United Kingdom, Germany and Australia. Eight of the 10 most prolific locations are high income locations (accounting for more than 139,000 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 SDG13 represents the largest share of their research portfolio are Greenland, New Caledonia, Fiji, Panama and Bolivia.

International collaboration yielded 34.5% of research on SDG13. High income locations collaborated with low income locations on 2% of their total SDG13 research, while nearly 56% 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 SDG13 research was above average every year, with an average of 1.37 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

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180,102
Publications in period

6.3%
Compound Annual Growth Rate in the period

73.5%
Publications from high-income locations

2.1%
Academic corporate collaboration

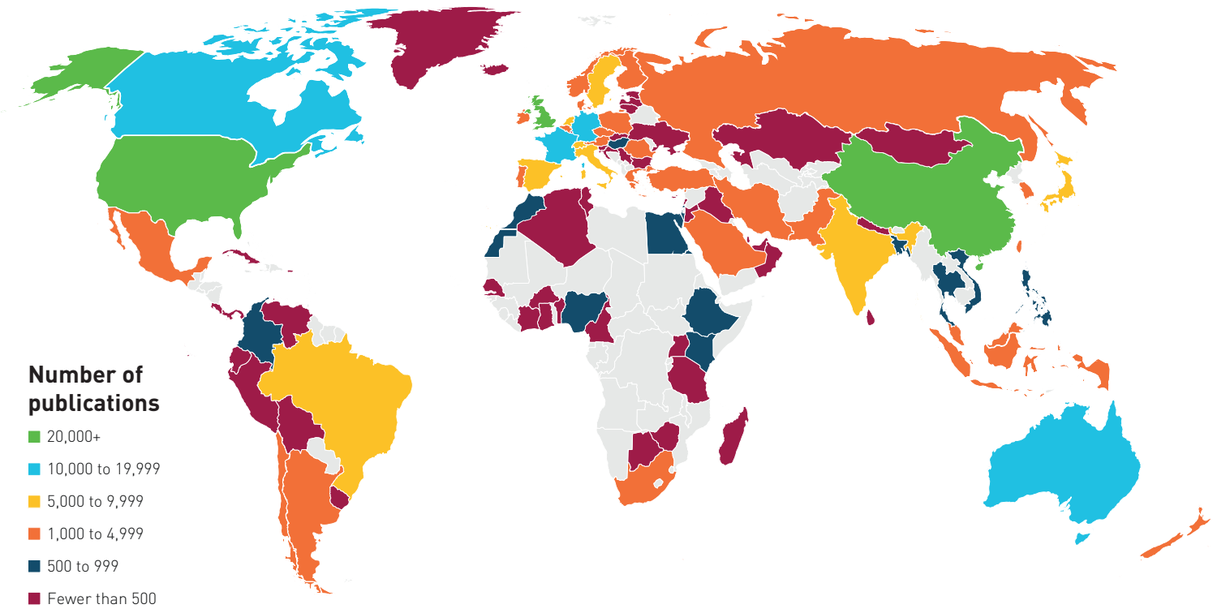
0.4%
Publications from low-income locations

1.37
Field-Weighted Citation Impact

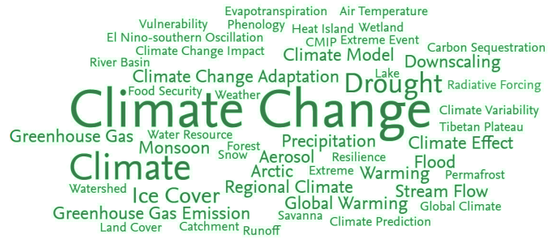
34.5%
Publications with international collaboration

What is FWCI?

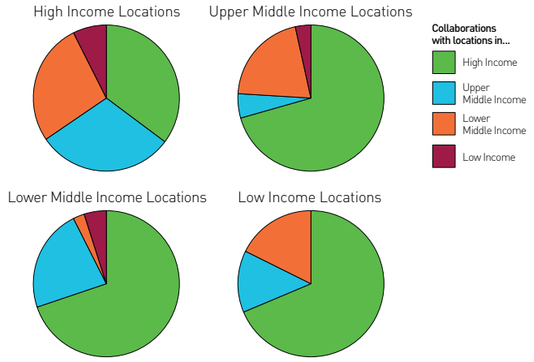
Field-weighted citation impact is an indicator of scholarly impact based on the number of times the publication was cited in other research. An FWCI of above 1.0 indicates the impact is above the normalised average



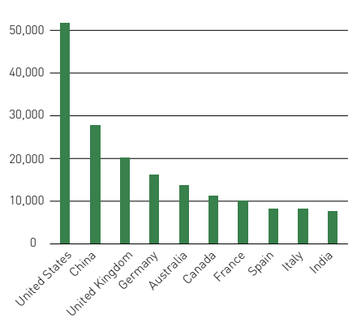
Key themes in SDG13 Research



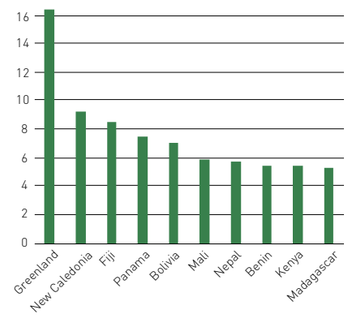
International collaboration by income bracket



Top 10 locations by publication

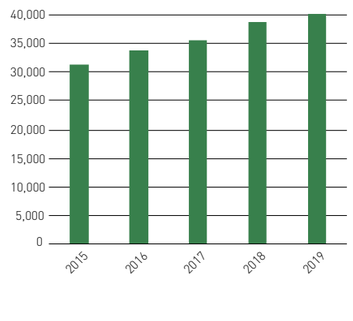


Top 10 locations by RAI
*(Relative Activity Index)

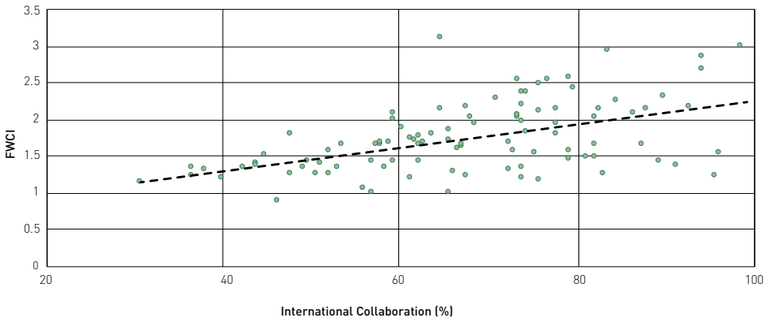
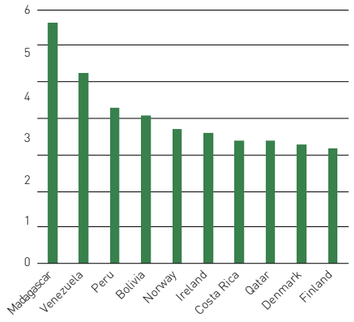


*Relative Activity Index is a measure of the proportion of the country's research output in the subject, relative to the proportion seen globally

Volume of publications supporting SDG13



International collaboration and research impact



Top 10 locations for corporate-academic collaboration