A case study of the German research arena

Elsevier’s report uses an innovative methodology linking two sources of Big Data, Elsevier’s Scopus and a major social media networking service. The study serves as a case study to provide evidence to support policy makers and research leaders to retain midcareer women scientists.

Distribution of Female Researchers

The number and proportion of female researchers in Germany is increasing.

In general, Agriculture, Medicine, and Health related subject areas have the highest share of female researchers. Subject areas in the Natural Sciences and Engineering have the lowest shares.

Research Productivity

The differences between publication productivity and citation impact between female and male researchers in Germany are smaller for more senior researchers.

Publications per year

In general, Agriculture, Medicine, and Health related subject areas have the highest share of female researchers. Subject areas in the Natural Sciences and Engineering have the lowest shares.

International Collaboration

For Germany, female-only publications are the most internationally collaborative. Mixed-gender publications are more interdisciplinary but less internationally collaborative than mono-gender publications.

Interdisciplinary Research

Publications from mixed-gender teams comprise a higher share of the world’s top 10% most IDR (interdisciplinary research).