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UNDER EMBARGO UNTIL 8 JUNE 2017  
AT 00:01 GMT.



# WHO RULES?

**2018 FACT FILE**



**Technische  
Universität  
Dresden**

Version 1.1

# WELCOME!

The QS World University Rankings 2018 will be published on [topuniversities.com](http://topuniversities.com) on 8 June 2017.

This file provides the detailed results for your institution and the data that has been used to calculate the ranks and scores.

It should also provide you with useful information for any media communication you might need to prepare prior to launch.

## Technische Universität Dresden

Established in 1828  
Germany



### INSTITUTION CLASSIFICATION

QS Classifications make it easier to quickly identify and compare institutions with similar characteristics. To find out more about how the classifications are compiled please visit [www.iu.qs.com](http://www.iu.qs.com)

AGE BAND	Historic	Mature	Established	Young	New
SIZE	Very Large	Large	Medium	Small	
STATUS	Public	Private - Not for Profit		Private	
RESEARCH INTENSITY	Very High	High	Moderate	Low	
SUBJECT AREA FOCUS	Comprehensive+	Comprehensive	Focused	Specialist	

# METHODOLOGY

The QS World University Rankings® have been published since 2004. Whilst the headline measures have not changed since 2005, we introduce refinements to provide even stronger results year after year.

## INDICATORS

**40%** **ACADEMIC REPUTATION**  
Taken from the annual survey conducted by QS designed to evaluate the perceptions of academics from around the world regarding the best institutions in terms of research. In this edition, over 75,000 responses were recorded globally.

**10%** **EMPLOYER REPUTATION**  
Taken from the annual QS survey aimed at gathering the views of employers around the world on the institutions providing the best professionals. For the 2018 edition, about 40,400 responses were analysed.

**20%** **CITATIONS PER FACULTY**  
This ratio measures the average number of citations obtained per faculty member, and is an estimate of the impact and quality of the scientific work produced by universities. This indicator is calculated using data from Scopus. To avoid anomalous results, an affiliation cap is applied discarding papers with an unusually high number of affiliations. Self-citations are excluded and citation counts are normalized, ensuring that citations achieved in each of the five broad faculty areas are weighted equally (more information: [bit.ly/1RbERtx](https://bit.ly/1RbERtx))

**20%** **STUDENT TO FACULTY RATIO**  
This is the ratio between the number of academic staff and number of students. A higher number of teachers per student is an indirect indicator of the commitment of the institutions to high-quality teaching.

**5%** **INTERNATIONAL FACULTY**  
The International Faculty Index is simply based on the proportion of faculty members that are international. It is a proxy measure for how internationally attractive the university is to academic staff. Universities based in locations known for attracting high proportions of expatriates perform well here such as those in Hong Kong, Switzerland and UAE.

**5%** **INTERNATIONAL STUDENTS**  
Similar in nature to the International Faculty Index, the International Students Index is based on the proportion of students that are international. It is a proxy measure for how internationally attractive the university is to students. Attracting international faculty and students can be challenging for institutions that are more nationally or regionally focussed.

# THIS YEAR'S REFINEMENTS

## CITATION WINDOW EXTENDED TO 6 YEARS

For this edition, whilst we have retained a five year publication period, we have extended the citation period for those papers to six years. Specifically, for the QS World University Rankings 2018 we counted citations attracted in the 2011-2016 period by those papers indexed in Scopus with publication dates between 2011 and 2015. This increases the significance of the final year of the five year period and provides a little more data to our normalization process.

## EMPLOYER REPUTATION: WEIGHTINGS RECALIBRATION

Until now, QS has applied a weighting of 70% to the international and 30% to the domestic score in our employer reputation analysis. In recent years as survey responses have grown and the rankings have been extended, a larger proportion of responses are now domestic where employers typically have a more intimate understanding of their local universities. Going forward from this year this balance has been shifted to 50:50.



12th/13th June 2017  
London

## EduData Summit in London

EduData Summit on the 12th and 13th June in London will examine how modern universities are placing data and analytics at the forefront of their agendas. Learn how university rankings are catalysing this transformation at the QS Rankings Masterclass on June 14th. We're also offering attendees a free 30 minute one-to-one consultation with our senior team of data analysts and rankings experts, providing an unparalleled insight into university performance analysis.

**Secure your place at: [www.edudatasummit.com](http://www.edudatasummit.com)**

# 2018 OVERALL RESULTS

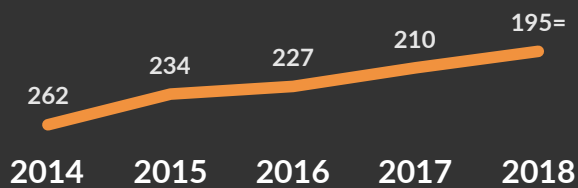
## Technische Universität Dresden

### OVERALL RANK

# 195=

OVERALL, THE INSTITUTION IMPROVED ON ITS 2017 PERFORMANCE BY 15 PLACES.

### RANKINGS TREND



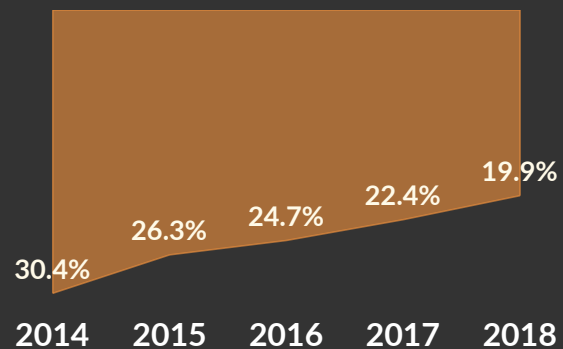
Since 2014, Technische Universität Dresden moved up 67 places. Over the 5 considered years, the institution moved up 4 times and did not present negative performances.

## TOP 20%

In the 2018 edition, the institution performed among the top 20% in the QS World University Rankings. Considering there are approximately 26,000 universities globally, this makes Technische Universität Dresden one of the top 1.0% universities in the World.

### PERCENTILE EVOLUTION

QS WORLD UNIVERSITY RANKINGS

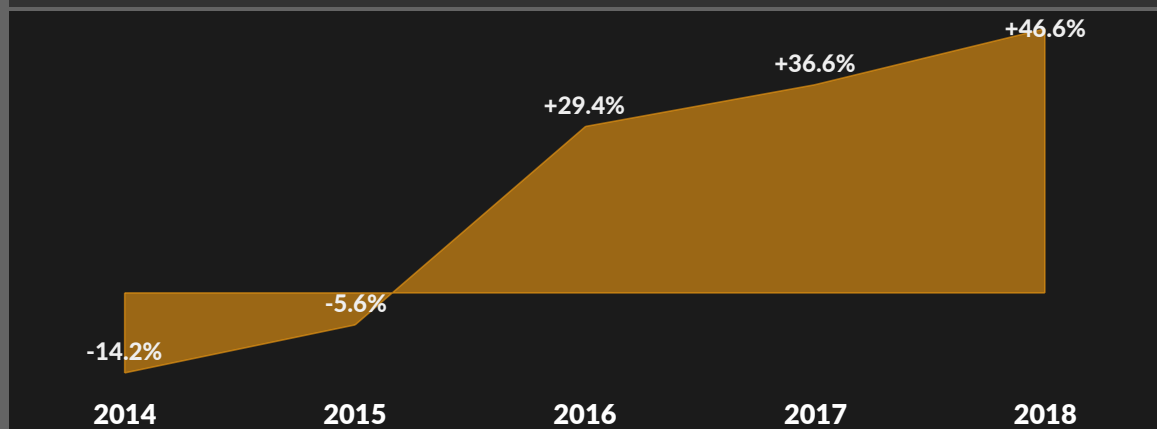


# DIFFERENCE VS AVERAGE

## OVERALL SCORE

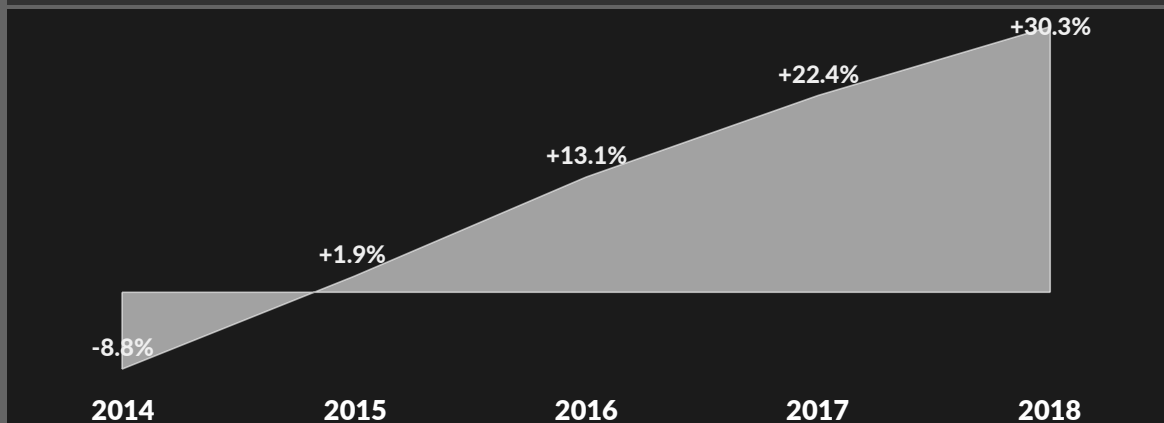
The charts below compare the institution's overall score against the global and domestic averages. A performance above 0% indicates a better result than the mean, while a performance below 0% signals a weaker stand.

### VERSUS GLOBAL AVERAGE



0% REPRESENTS THE GLOBAL AVERAGE

### VERSUS AVERAGE IN GERMANY



0% REPRESENTS THE AVERAGE IN GERMANY

# RANK BY INDICATOR

2018 EDITION

Academic Reputation	249	▼	-10
Employer Reputation	105	▲	23
Citations per Faculty	71	▲	18
Faculty Student	401+	▼	-52
International Faculty	131	▲	74
International Students	366	▲	1

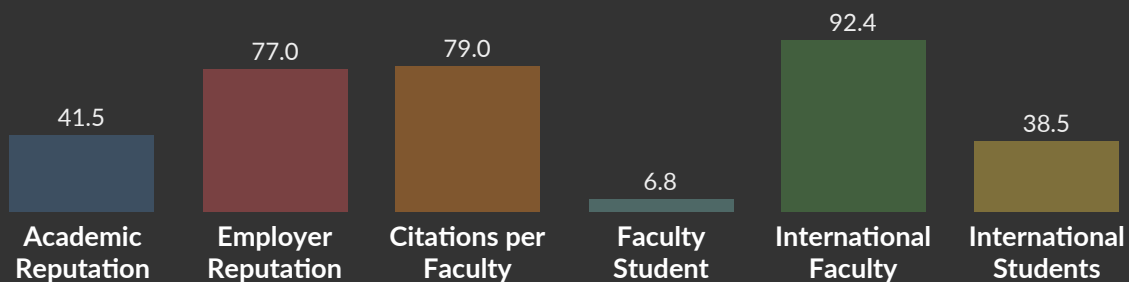
**At 71 globally, the Citations per Faculty indicator is the strongest one for Technische Universität Dresden.**

# SCORES BY INDICATOR

2018 EDITION

## SCORES BY INDICATOR

EACH INDICATOR CAN REACH A MAXIMUM OF 100 POINTS



## WEIGHTED SCORES BY INDICATOR



## OVERALL SCORE

**48.1**/100

To arrive at the overall score, the sum of the weighted scores by indicator is taken and scaled against the top performing institution which is awarded a score of 100.

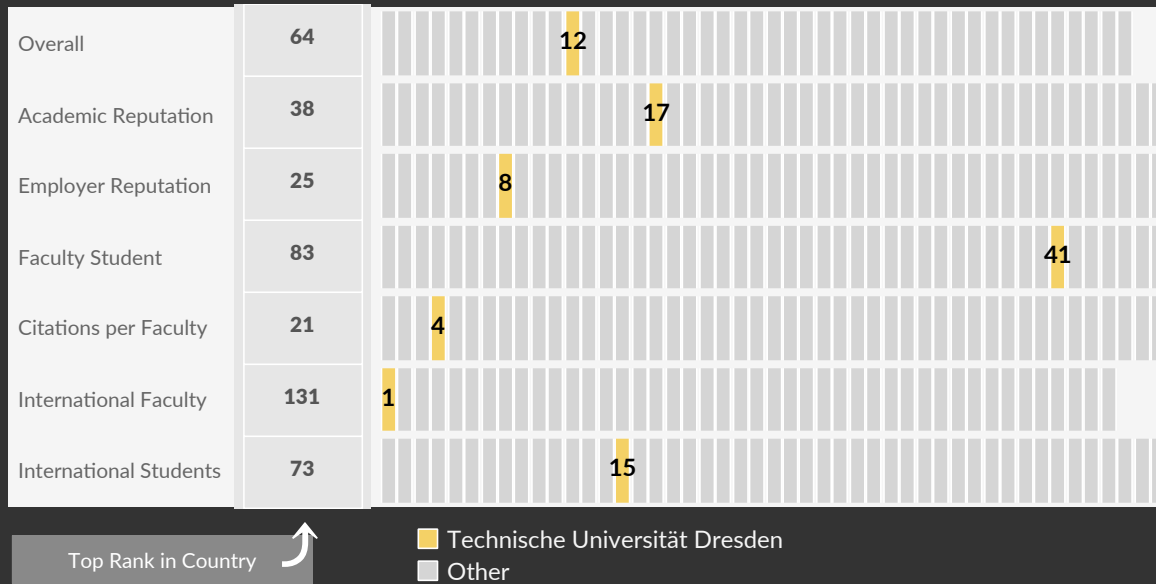


# DOMESTIC COMPARISON

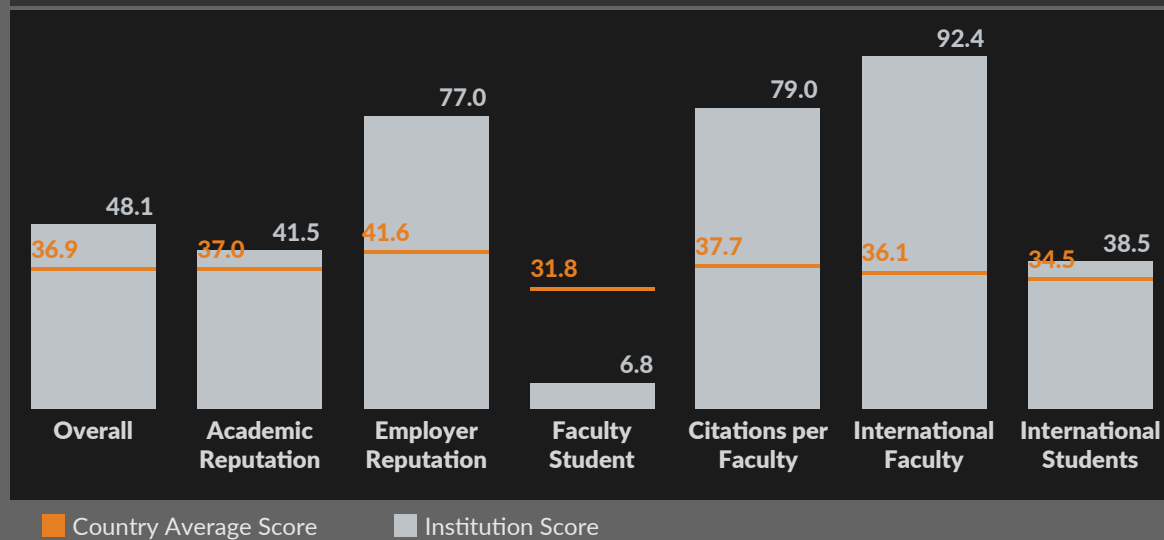
2018 EDITION



## PERFORMANCE WITHIN INSTITUTIONS IN GERMANY



## AVERAGE SCORES IN GERMANY



# UNDERLYING DATA & RATIOS

This is the underlying data used for rankings calculations and has undergone extensive checking but this is a major undertaking so if anything raises questions, please contact us as at [rankings@qs.com](mailto:rankings@qs.com).

## VERIFIED DATA

Students	34,029
International Students	4,930
Faculty Staff	1,448
International Faculty	669
Citations (Normalized)	131,726
Citations (Excluding Self-Citations)	141,322
Citations (Including Self-Citations)	187,021
Papers	19,592

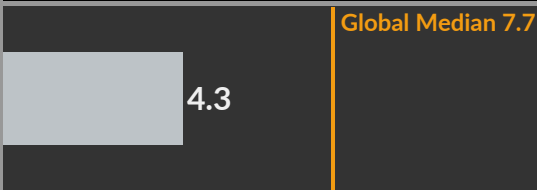
The figures above are full-time equivalent (FTE). In those cases where only the headcounts were available, the FTE was calculated by applying a ratio based on country or regional average.

Papers period: 2011-2015 | Citations period: 2011-2016

The following charts present the ratios utilized for rankings calculations for your institution, compared against the global median results.

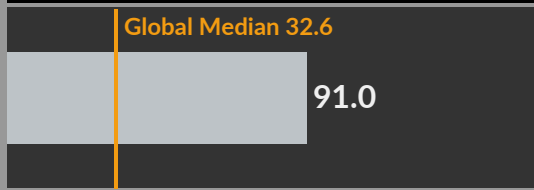
### FACULTY STUDENT RATIO

Faculty staff per 100 students



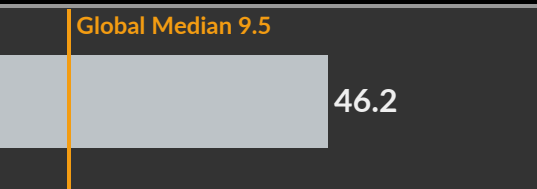
### CITATIONS PER FACULTY

Normalized citations per faculty member



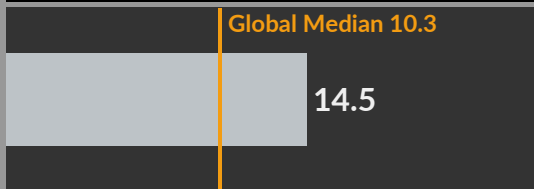
### INTERNATIONAL FACULTY RATIO

International faculty staff per 100 faculty members



### INTERNATIONAL STUDENTS RATIO

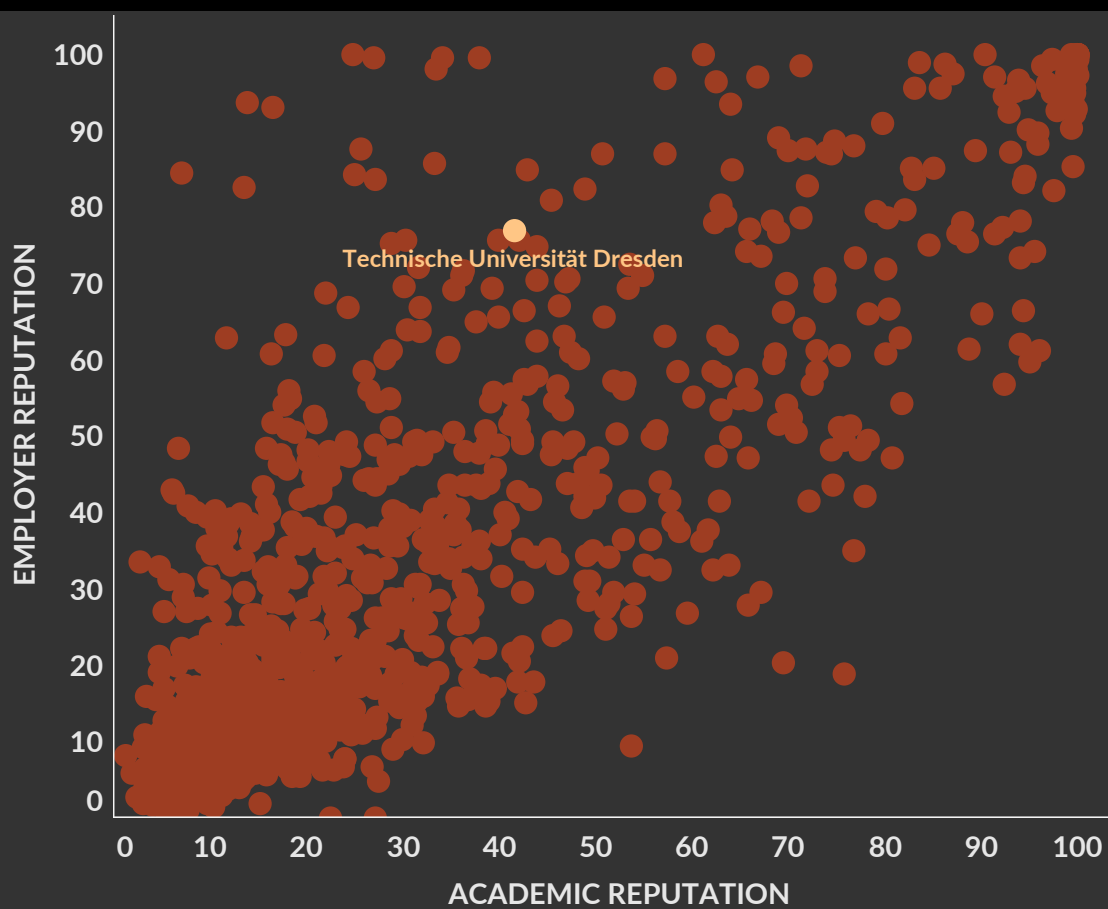
International students per 100 students



# REPUTATION PERFORMANCE

## ACADEMIC AND EMPLOYER REPUTATION SCORES

The chart below displays Technische Universität Dresden's performance in the Academic and Employer Reputation indicators in the global context. The closer an institution is to the top-right section of the chart, the more reputed it is among academics and employers.



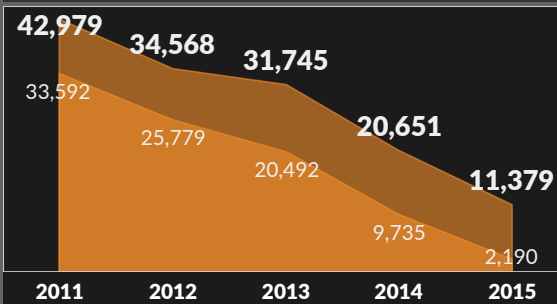
- Technische Universität Dresden
- Other

# RESEARCH OUTPUT BY SUBJECT AREA

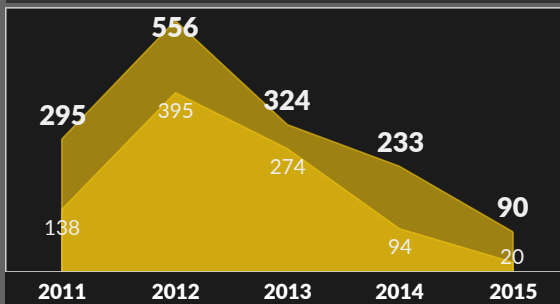
## CITATIONS (EXCLUDING SELF-CITATIONS)

The following charts depict the evolution of the number of citations (excluding self-citations) considered for the 2018 edition of the rankings. This year we extended the citation window to six years (2011-2016), in contrast to the five years used previously. It should be noted that we still consider papers published in a five year period (2011-2015). The charts highlight the additional number of citations represented by inclusion of 2016's counts.

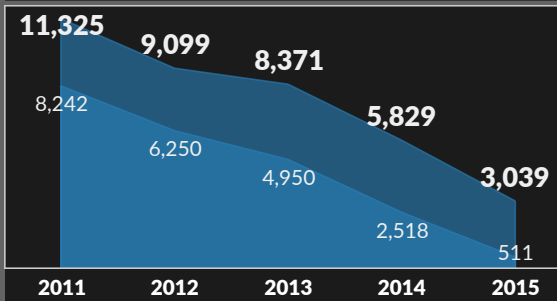
### Overall



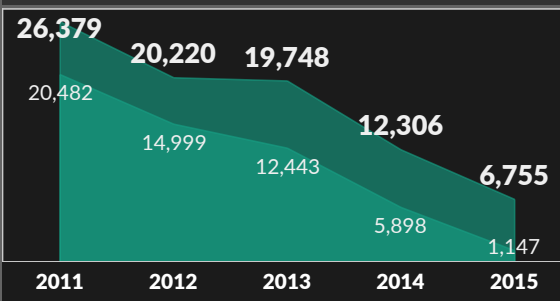
### Arts & Humanities



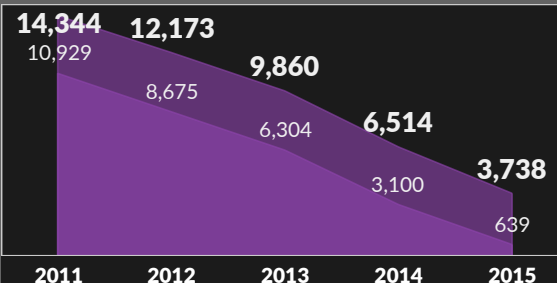
### Engineering & Technology



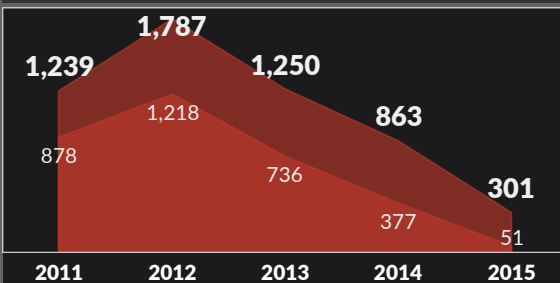
### Life Sciences & Medicine



### Natural Sciences



### Social Sciences & Management

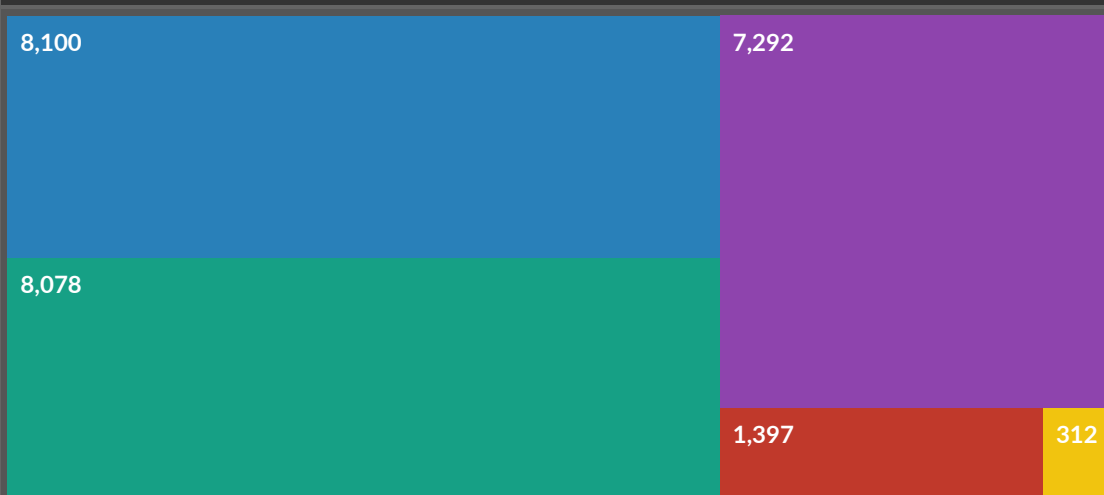


# RESEARCH OUTPUT

## PAPERS AND CITATIONS BY SUBJECT AREA

### PAPERS

Indexed in Scopus in the 2011-2015 period



Arts & Humanities

Engineering & Technology

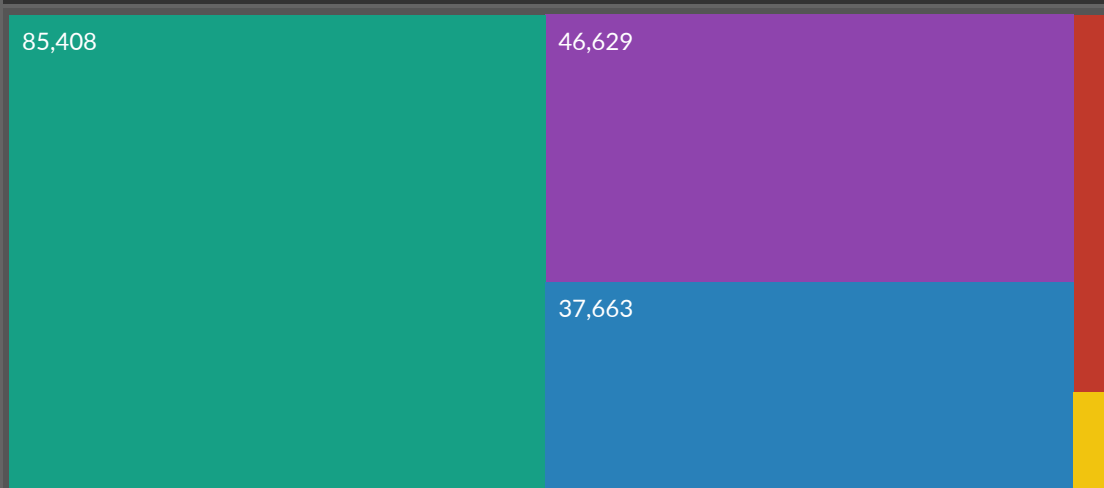
Life Sciences & Medicine

Natural Sciences

Social Sciences & Management

### CITATIONS (EXCLUDING SELF-CITATIONS)

For the above papers in the 2011-2016 period



## THE **QS** RANKINGS TEAM

**Ben Sowter** Director

**Selina Griffin** Rankings Manager

**Tristan Williams** Data Acquisition Manager

**Martin Juno** Product Development Manager

Researchers

**Afaf Abouelela**

**Ajita Rane**

**Dennis Yu**

**Luciano Federico**

**Samuel Wong**

**Shilpa Narayankar**

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