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**REGIONAL RANKINGS
EMERGING EUROPE
& CENTRAL ASIA (EECA) 2019**

.....
Top 300

Fact File

**TECHNICAL UNIVERSITY
OF LIBEREC**



WELCOME!

The 2019 QS World University Rankings : EECA will be published on topuniversities.com on 30th October 2018 at 23:01 UTC.

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.

Technical University of Liberec

Established in 1953

CZECH REPUBLIC

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

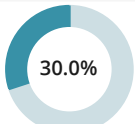
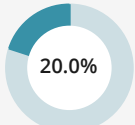

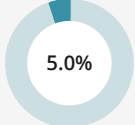

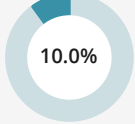
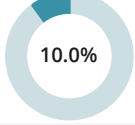
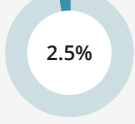
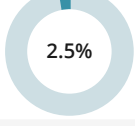

AGE BAND	Historic	Mature	Established	Young	New
SIZE	Very Large	Large	Medium	Small	
STATUS	Public	Private	Private - Not for Profit		
RESEARCH INTENSITY	Very High	High	Moderate	Low	
SUBJECT AREA FOCUS	Comprehensive+	Comprehensive	Focused	Specialist	

METHODOLOGY:

INDICATORS & WEIGHTINGS

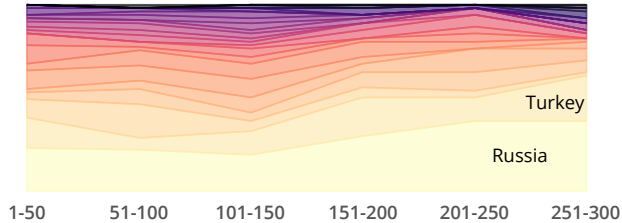
The **QS World University Rankings : EECA** have been published since 2014. The method retains key indicators of the global ranking, such as Academic Reputation, Employer Reputation, and Faculty to Student Ratio, but also considers a set of performance metrics carefully tailored for the region. This year we have added an additional indicator:

International Research Network, and adjusted the weightings accordingly to accommodate this.

 <p>30.0%</p>	<p>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. This year, over 83,000 responses were recorded globally.</p>
 <p>20.0%</p>	<p>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. This year over 43,000 responses were analysed.</p>
 <p>10.0%</p>	<p>Faculty Student 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.</p>
 <p>5.0%</p>	<p>Staff with PhD This indicator attempts to assess the quality of training of the academic staff, detecting the proportion of them that have reached the highest level of education in their area of expertise. This is an indirect measure of the commitment of universities to high-quality teaching and research.</p>
 <p>5.0%</p>	<p>Citations per Paper This ratio measures the average number of citations obtained per publication, and is an estimate of the impact and quality of the scientific work done by universities. Data indexed by Scopus is also used. To avoid anomalous results, only the institutions producing more than 150 papers in the last five years are evaluated. The paper and citation counts are normalized, ensuring that citations achieved in each of the five broad facul..</p>
 <p>10.0%</p>	<p>Papers per Faculty This indicator seeks to determine the average number of scientific publications (papers) produced per faculty and evaluates the productivity of research institutions. Data is extracted from Scopus (www.scopus.com). Indexed papers in the last five full years are used (from 2012 to 2016 for the 2019 edition). The paper count is normalized, ensuring that citations achieved in each of the five broad faculty areas are weighted equally.</p>
 <p>10.0%</p>	<p>International Research Network Using data provided by Scopus, this indicator assesses the degree of international openness in terms of research collaboration for each evaluated institution. The Margalef Index, widely used in the environmental sciences, has been adapted to estimate the richness of the selected international research partners for a given institution.</p>
 <p>2.5%</p>	<p>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.</p>
 <p>2.5%</p>	<p>International Students 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.</p>
 <p>5.0%</p>	<p>Web Impact This indicator seeks to assess the effectiveness with which institutions are making use of new technologies. Baseline information is provided by the Ranking Web of Universities (www.webometrics.info), although the results are refactored to exclude the Excellence indicator, which is already considered in the metrics related to scientific research.</p>

EDITION SUMMARY & REFINEMENTS

2019 EDITION



305
PUBLISHED
INSTITUTIONS

27
NEW
ENTRANTS

STRONGER SURVEY ANALYSIS

For this edition, whilst we have retained a five-year response period, we have refined the survey analysis approach, including the screening, validation and de-duplication of responses. Combined with an increase in respondents numbers this year, this has enabled us to draw on over 1.2 million academic nominations, and nearly 200 thousand employer nominations for this edition. In each case, this comprises a 38% increase on the 2018 rankings.

INTERNATIONAL RESEARCH NETWORK

In this year's analysis of QS World University Rankings by Region, the International Research Network indicator has been introduced to measure the diversity and richness of transnational research partnerships. Applied using the same time-window as the World University Rankings, the new indicator evaluates only those research partners that meet the minimum threshold of co-authored publications.



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TECHNICAL UNIVERSITY OF LIBEREC

OVERALL RANK

118=

OVERALL, THE INSTITUTION IMPROVED ON ITS 2018 PERFORMANCE BY 2 PLACES.

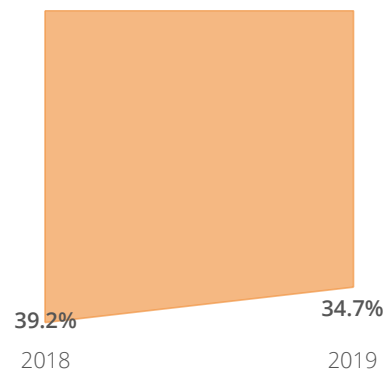
RANKINGS TREND



TOP 35%

In the 2019 edition, Technical University of Liberec performed among the top 35% in the QS World University Rankings : EECA.

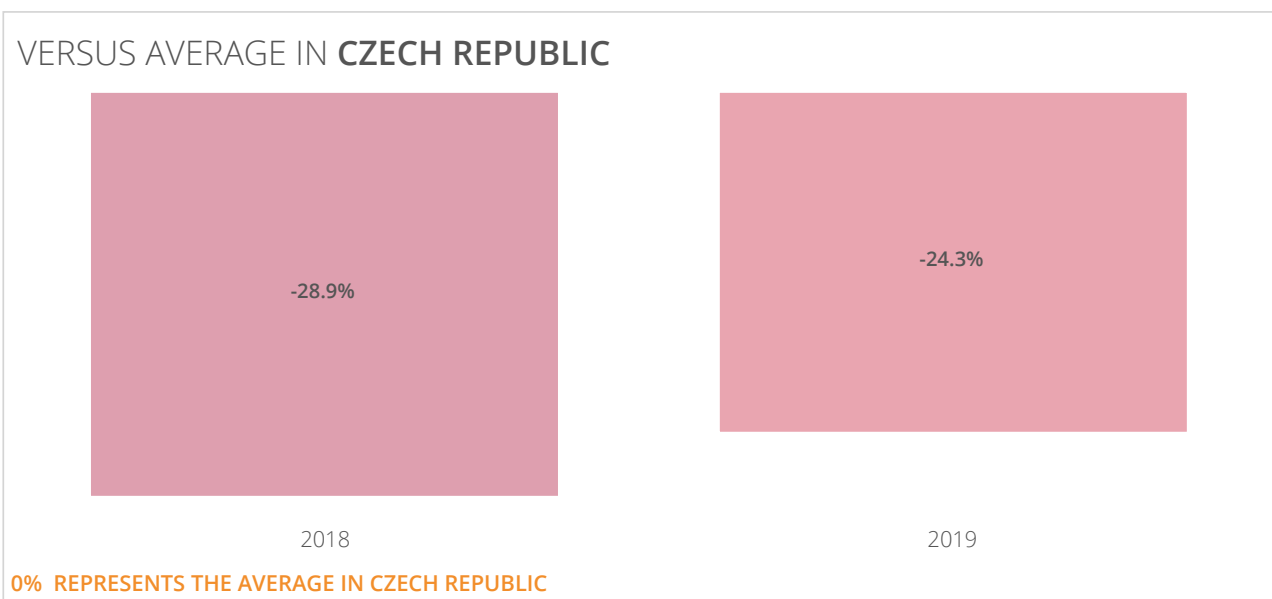
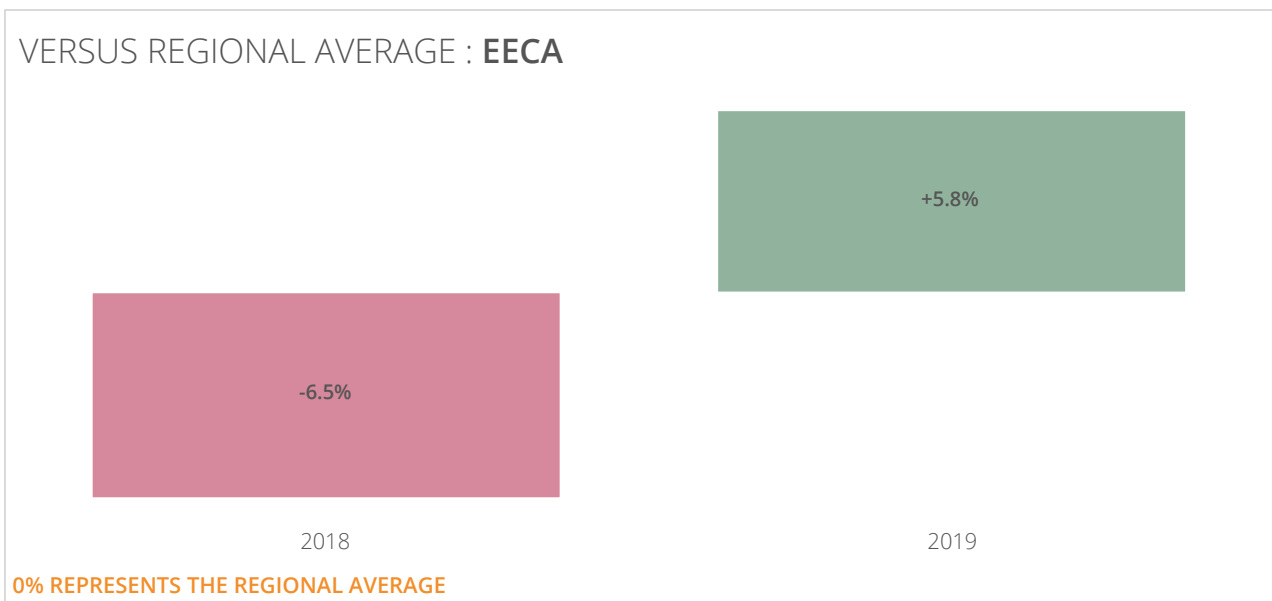
PERCENTILE EVOLUTION QS World University Rankings : EECA



DIFFERENCE VS AVERAGES : EECA

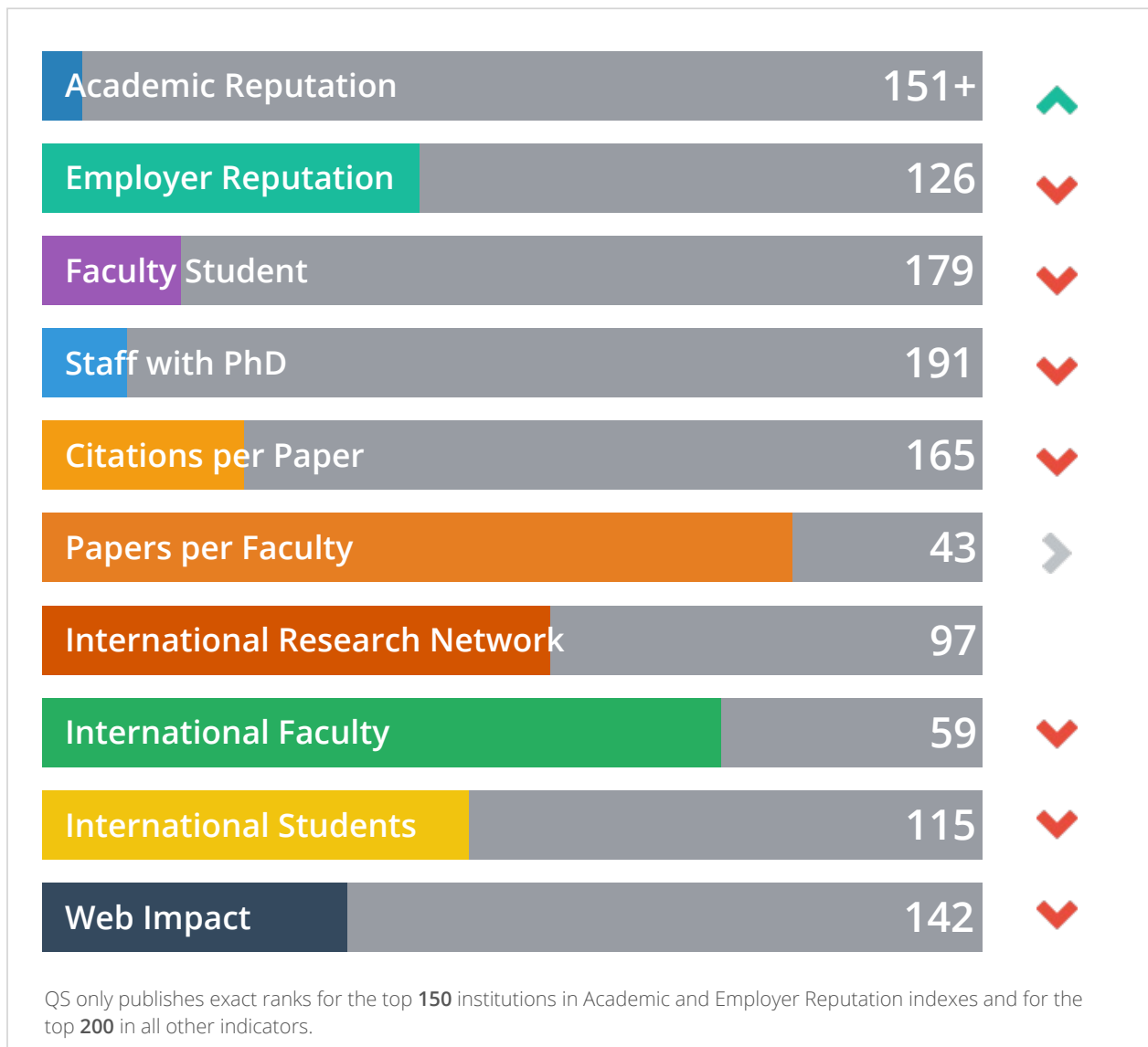
OVERALL SCORE

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.



RANKS BY INDICATOR : EECA

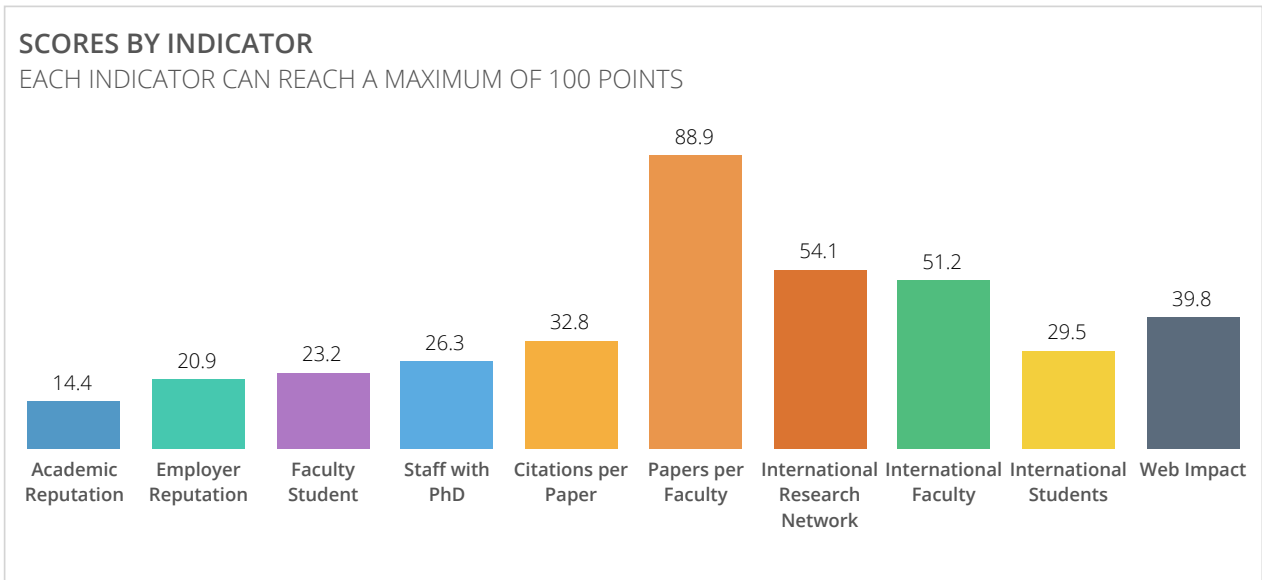
2019 EDITION



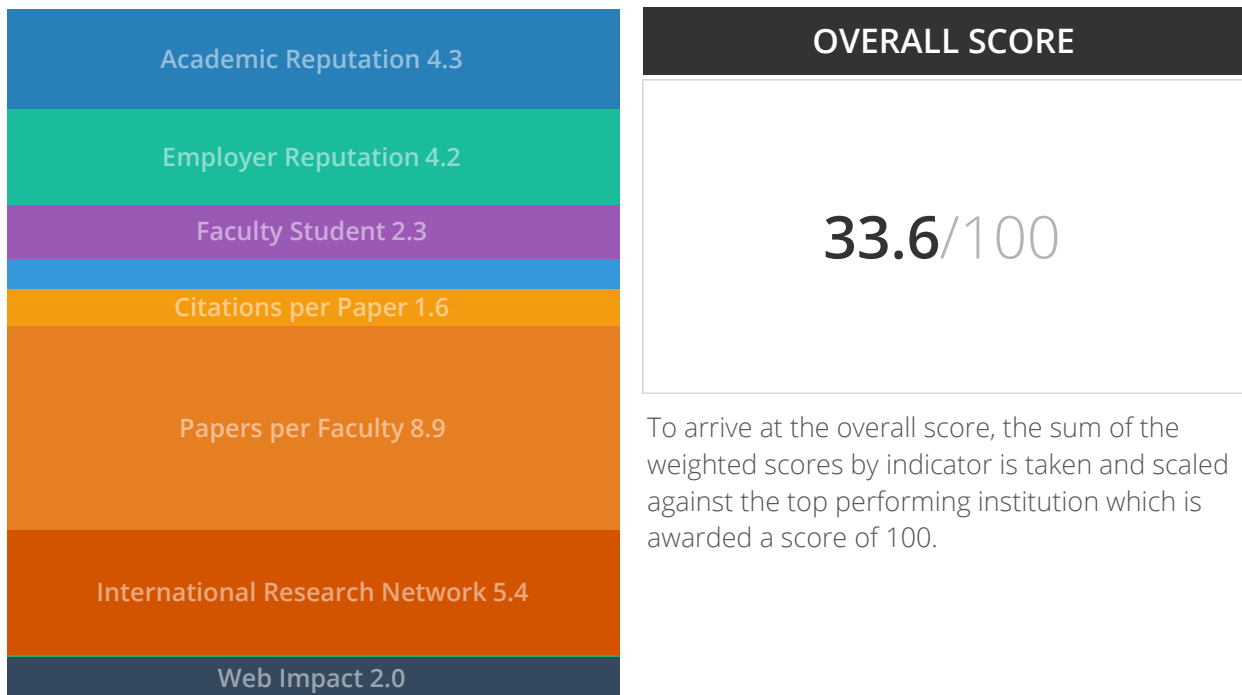
At **43** regionally, the **Papers per Faculty** indicator is the strongest one for **Technical University of Liberec**.

SCORES BY INDICATOR : EECA

2019 EDITION



WEIGHTED SCORES BY INDICATOR



OVERALL SCORE

33.6/100

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.

REGIONAL COMPARISON : EECA

2019 EDITION

A total of **19** institutions were evaluated in **Czech Republic**.
5 of them achieved a top 50 regional rank overall.

PERFORMANCE WITHIN INSTITUTIONS IN QS EECA RANKINGS



TOP REGIONAL RANK OF INSTITUTIONS FROM CZECH REPUBLIC

Overall	Academic Reputation	Employer Reputation	Faculty Student	Staff with PhD	Citations per Paper	Papers per Faculty	International Research Network	International Faculty	International Students	Web Impact
3	2	4	21	6	7	2	1	21	14	2

UNDERLYING DATA

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.

VERIFIED DATA	
Students	7,158
International Students	452
Faculty	546
International Faculty	35
Staff with PhD	304
Citations (Normalized)	4,569
Citations (Excluding Self-Citations)	3,267
Citations (Including Self-Citations)	5,497
Papers (Normalized)	2,382
Papers	1,923

A technical explanation of the citations normalization process can be accessed here: <https://bit.ly/1RbERt>

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.

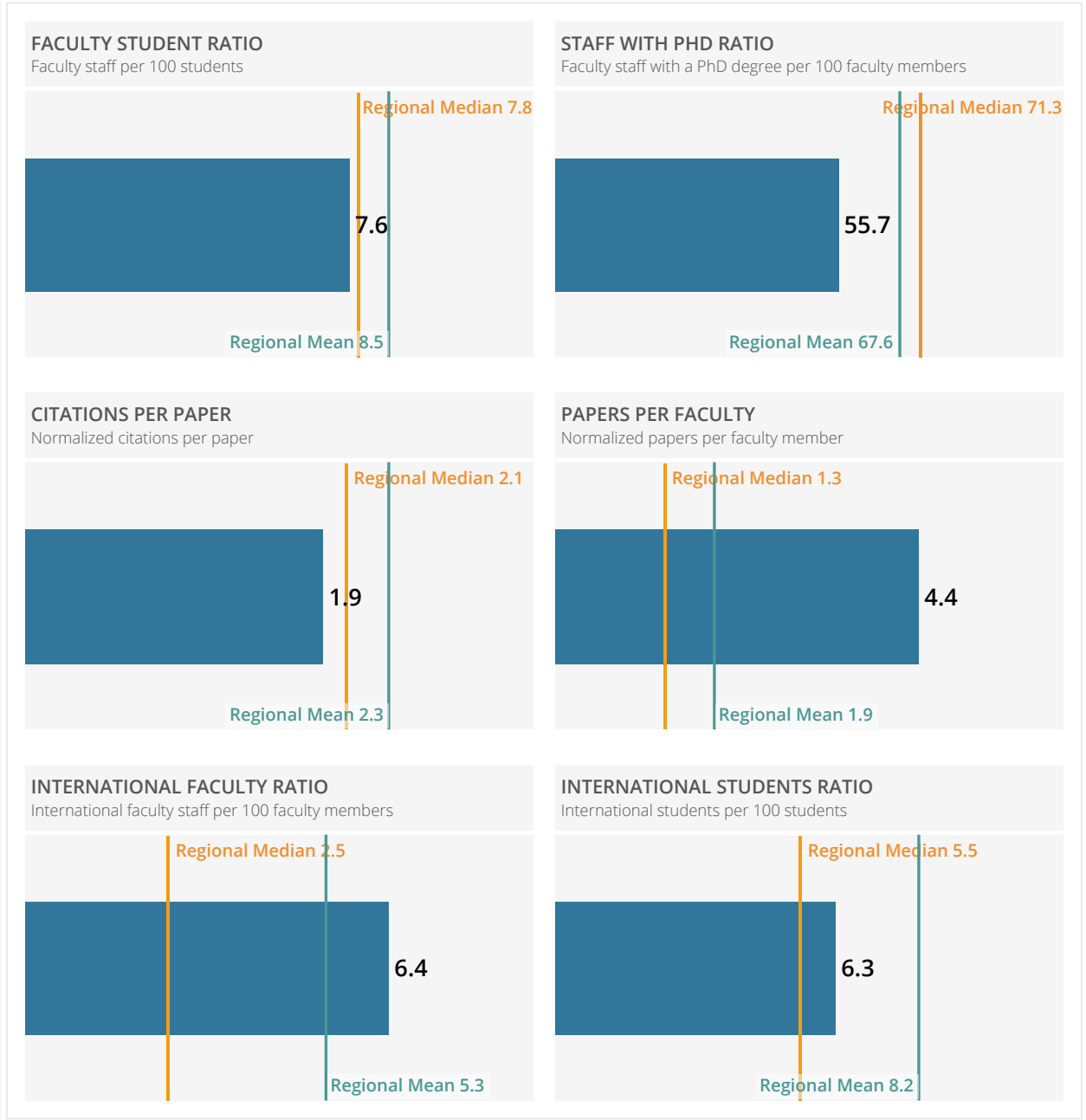
Papers period: 2012-2016 | Citations period: 2012-2017

Bibliometrics data

Powered by Scopus®

UNDERLYING RATIOS

The following charts present the ratios utilized for rankings calculations for your institution, compared against the **Regional (EECA) Median** and **Mean** results.

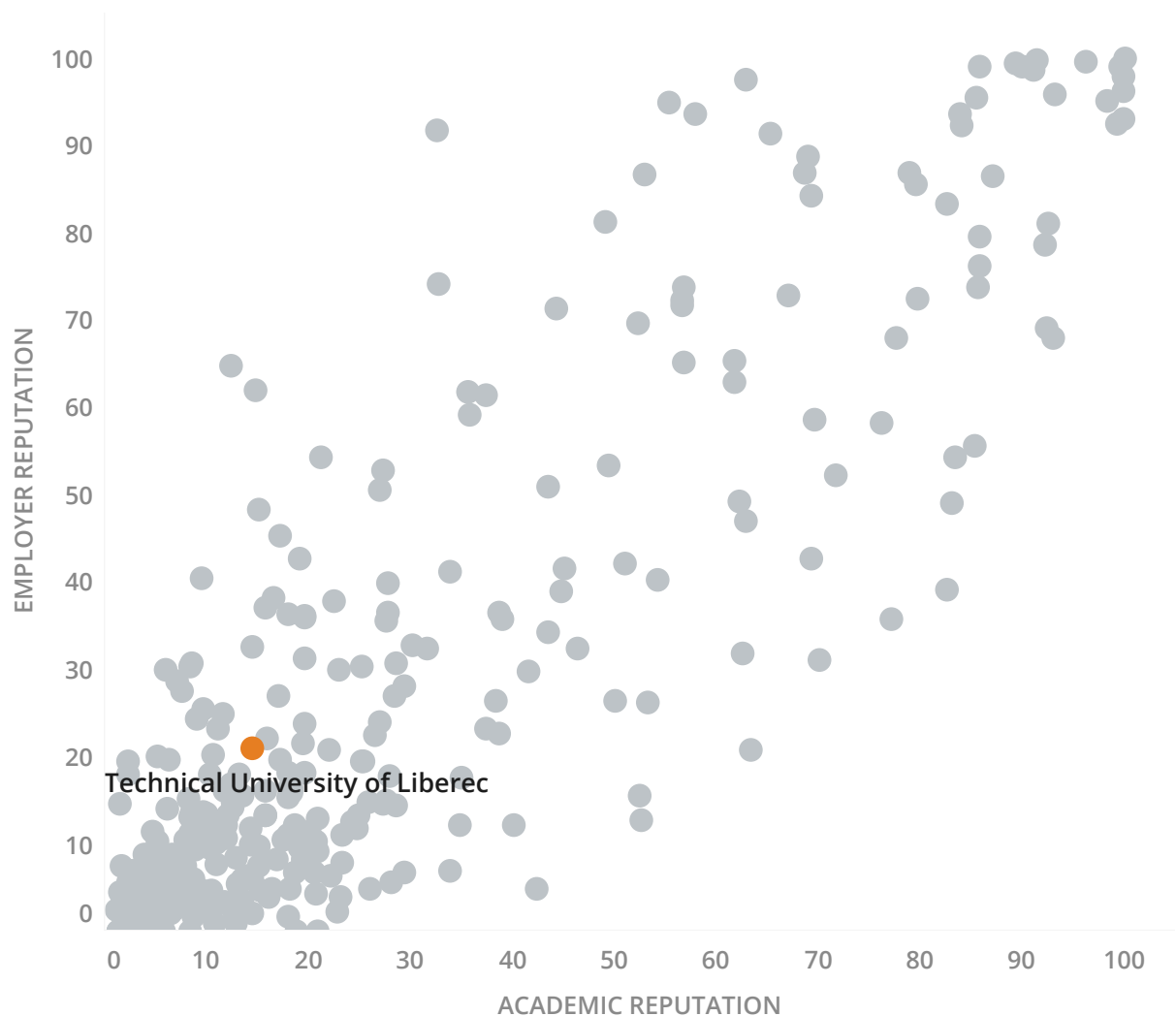


REPUTATION PERFORMANCE : EECA

ACADEMIC AND EMPLOYER REPUTATION SCORES

The chart below displays the institution's performance in the **Academic** and **Employer Reputation** indicators in the regional context.

The closer an institution is to the top-right section of the chart, the more reputed it is among academics and employers.

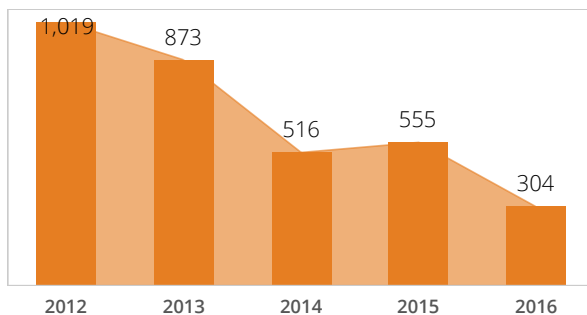


RESEARCH OUTPUT BY SUBJECT AREA

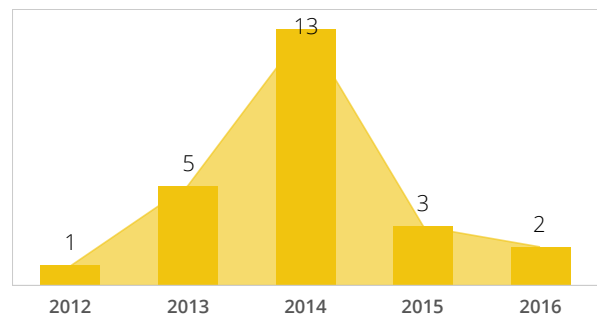
CITATIONS (EXCLUDING SELF-CITATIONS)

The following charts depict the evolution of the number of citations (excluding self-citations) considered for the 2019 edition of the rankings. Since 2018's edition, we have extended the citation window to six years (2012-2017). It should be noted that we still consider papers published in a five year period (2012-2016).

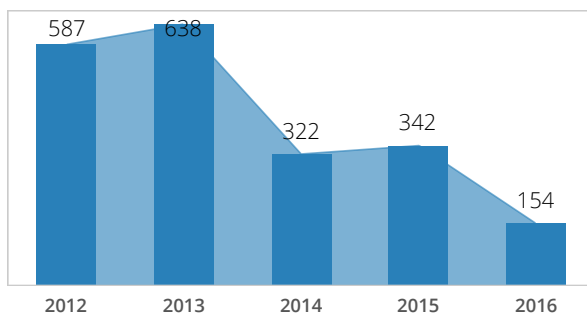
Overall



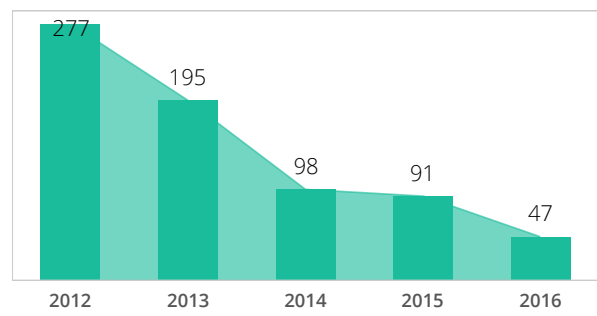
Arts & Humanities



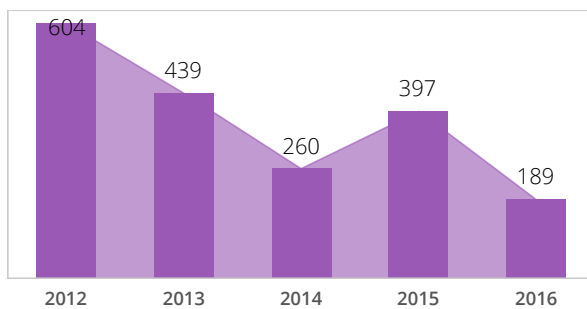
Engineering & Technology



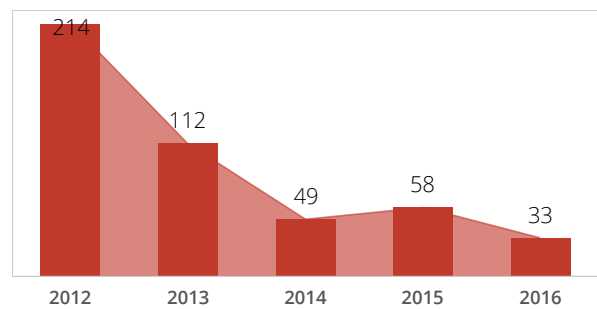
Life Sciences & Medicine



Natural Sciences



Social Sciences & Management

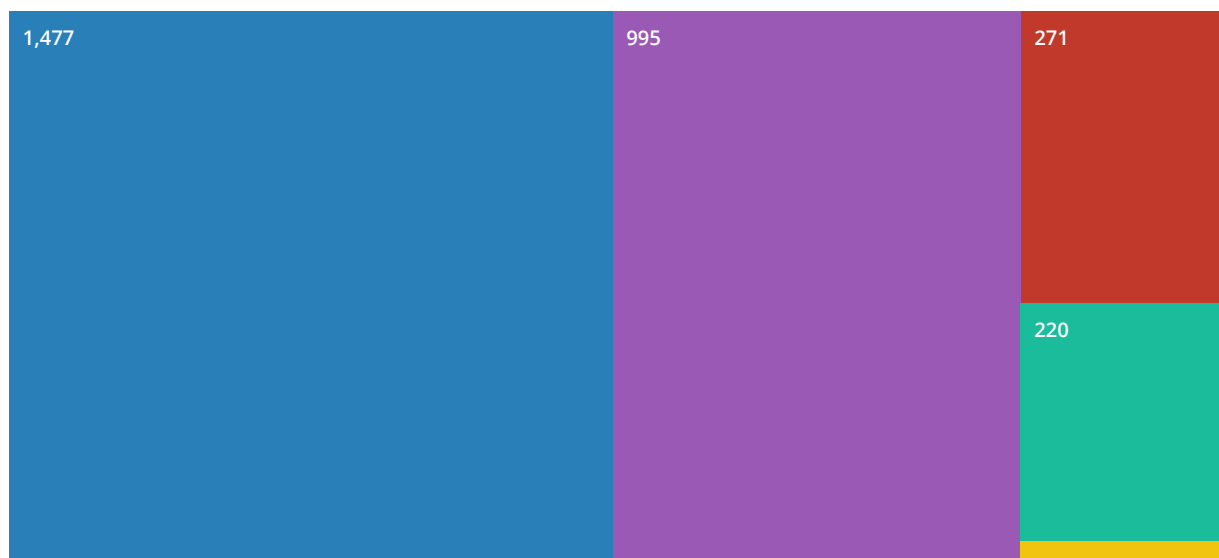


RESEARCH OUTPUT

PAPERS AND CITATIONS BY SUBJECT AREA

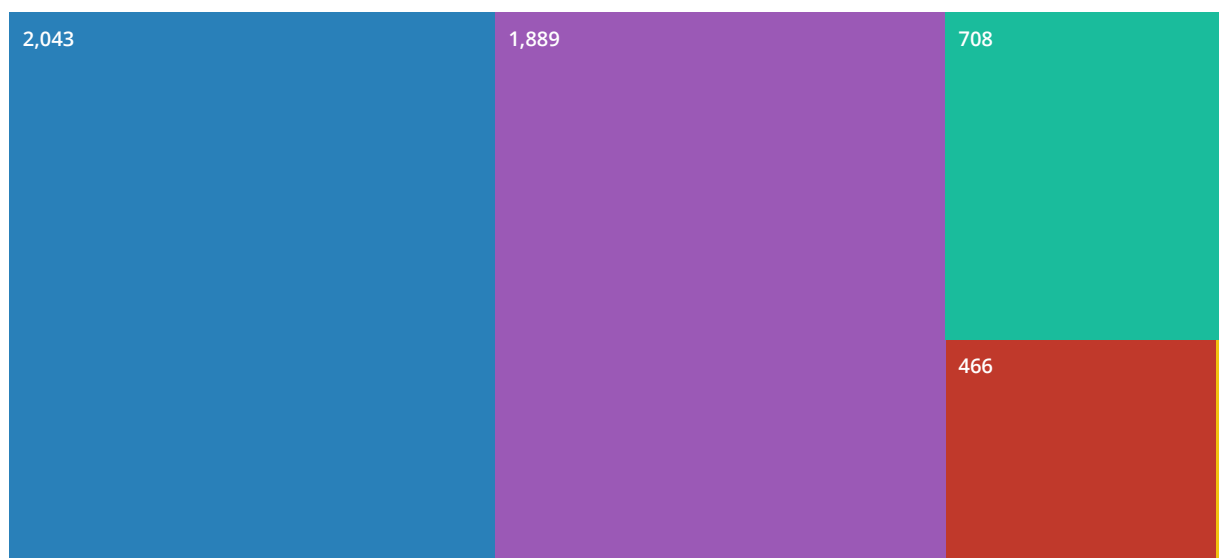
PAPERS

Indexed in Scopus in the 2012-2016 period



CITATIONS (EXCLUDING SELF-CITATIONS)

For the above papers in the 2012-2017 period



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