



# RWTH Aachen University

The Big Picture in Figures

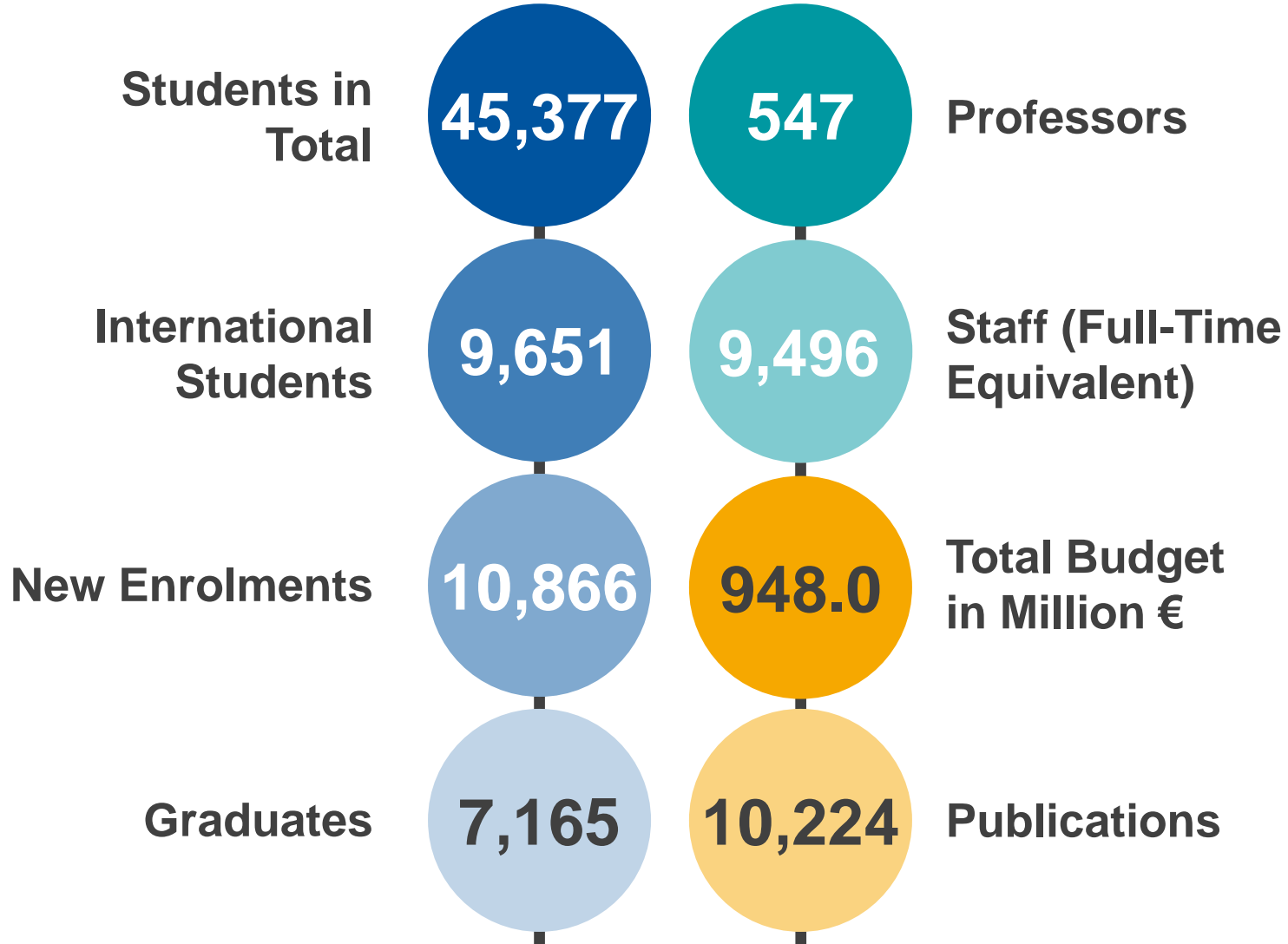
State: May 2018

**RWTHAACHEN**  
UNIVERSITY

# RWTH Aachen University

## The Big Picture in Figures

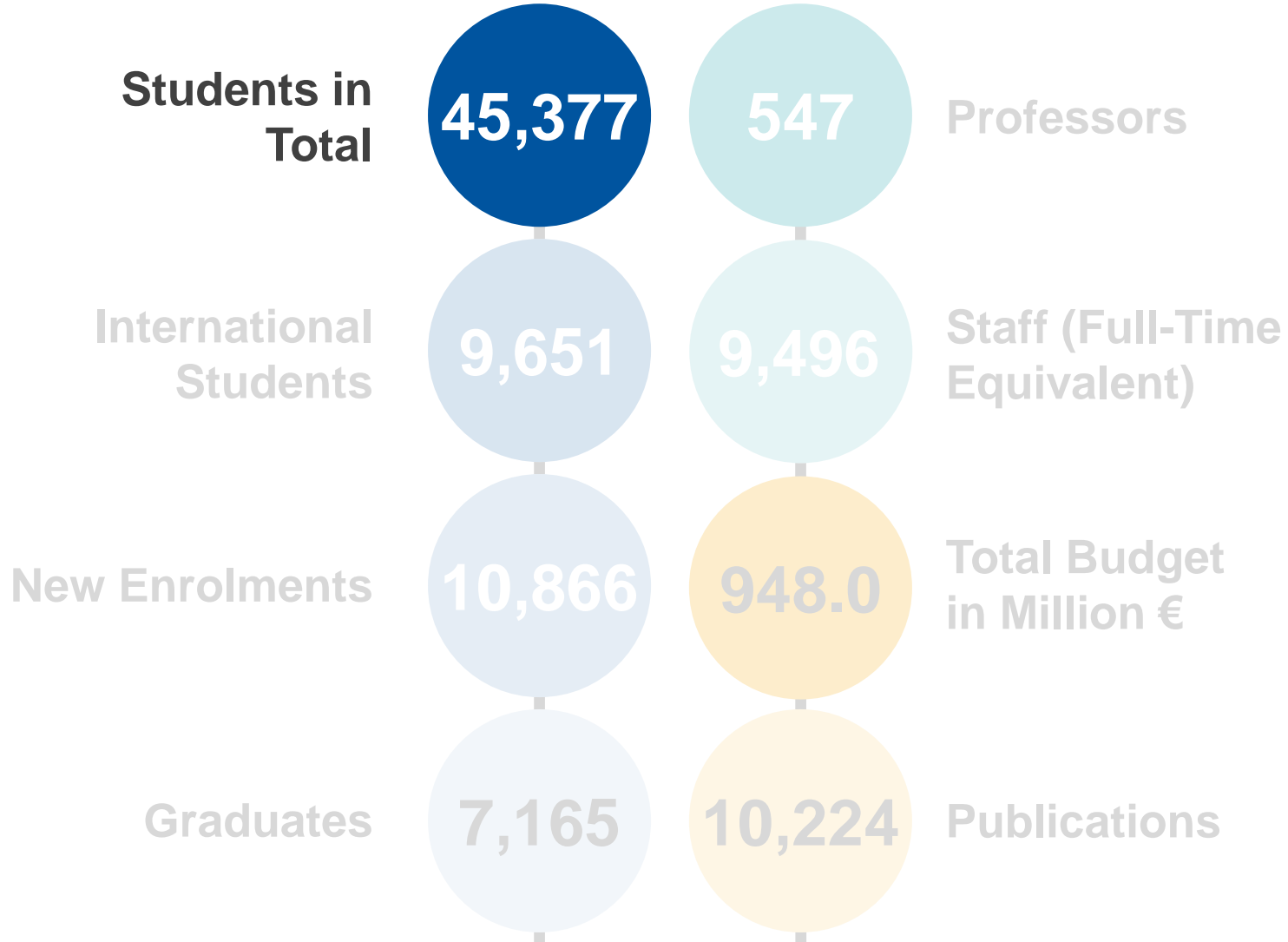
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# RWTH Aachen University

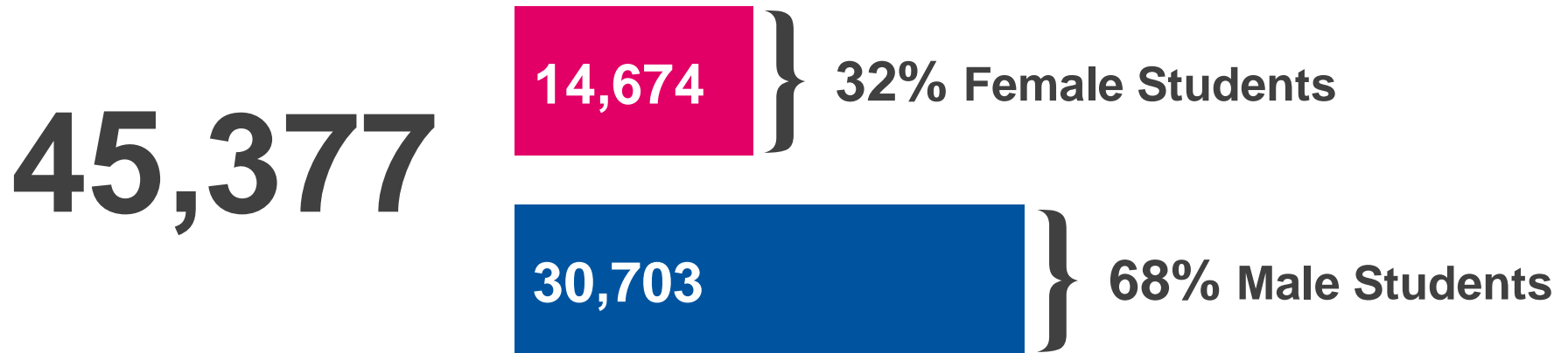
## The Big Picture in Figures

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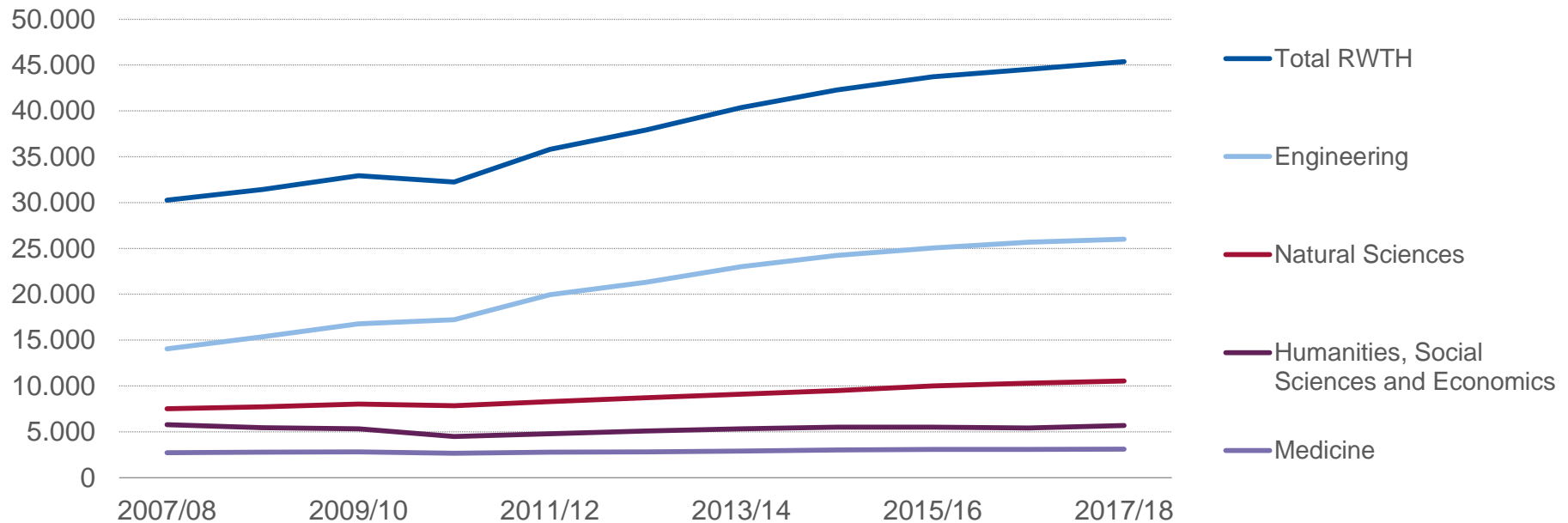
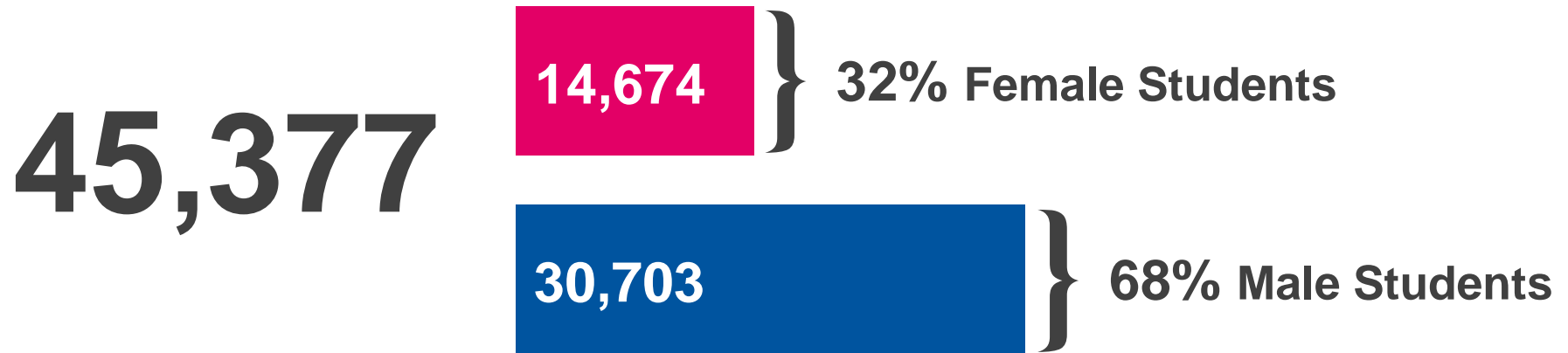
## Students in Winter Semester 2017/18

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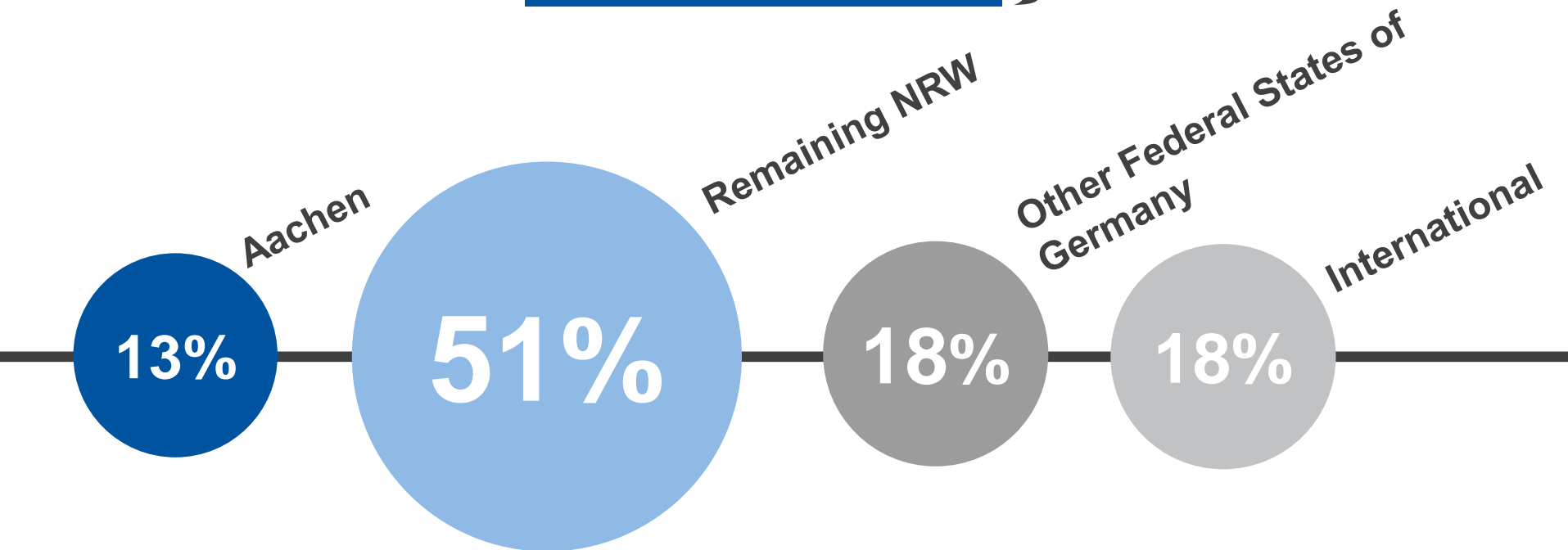
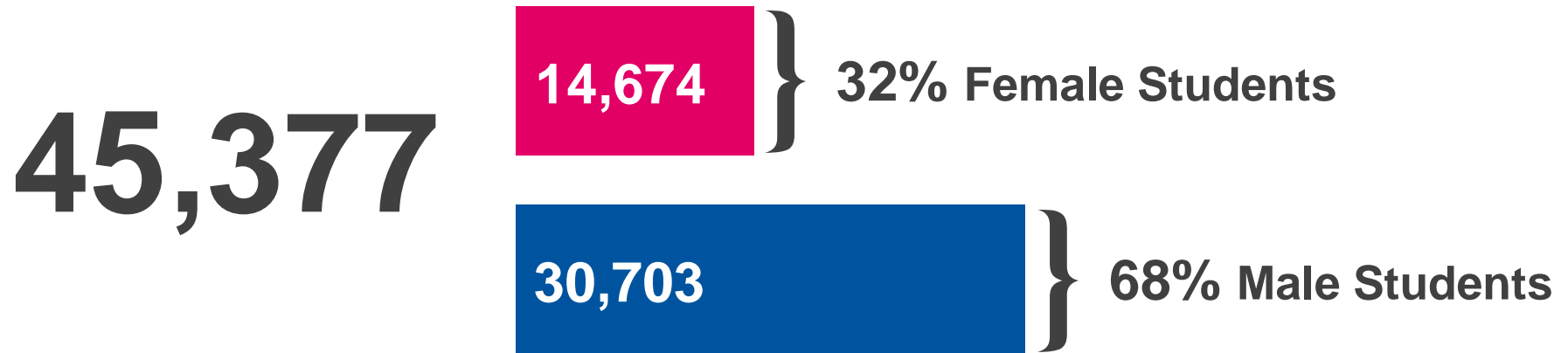


- Highest number of students in the history of RWTH: There has been an increase of nearly 10,000 students compared to seven years ago.
- Every ninth student at a traditional university in NRW studies at RWTH.
- Statistically spoken one in six inhabitants of Aachen is a student at RWTH.
- 34,279 of RWTH students are between 20 and 29 years old. This is equivalent to 59 % of all Aachen inhabitants in this age group.

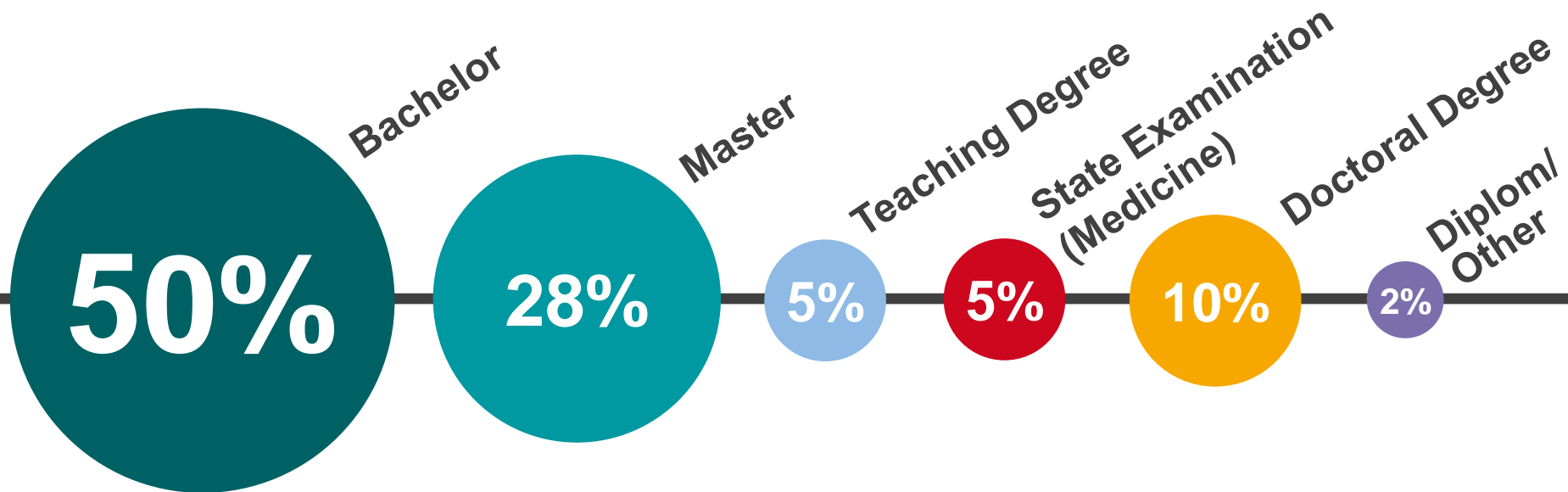
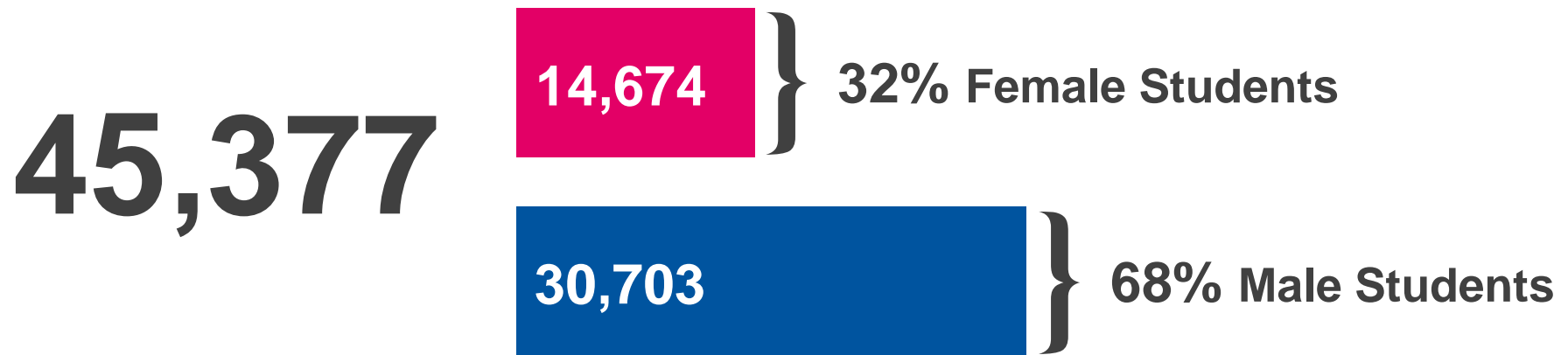
# Development of the Number of Students



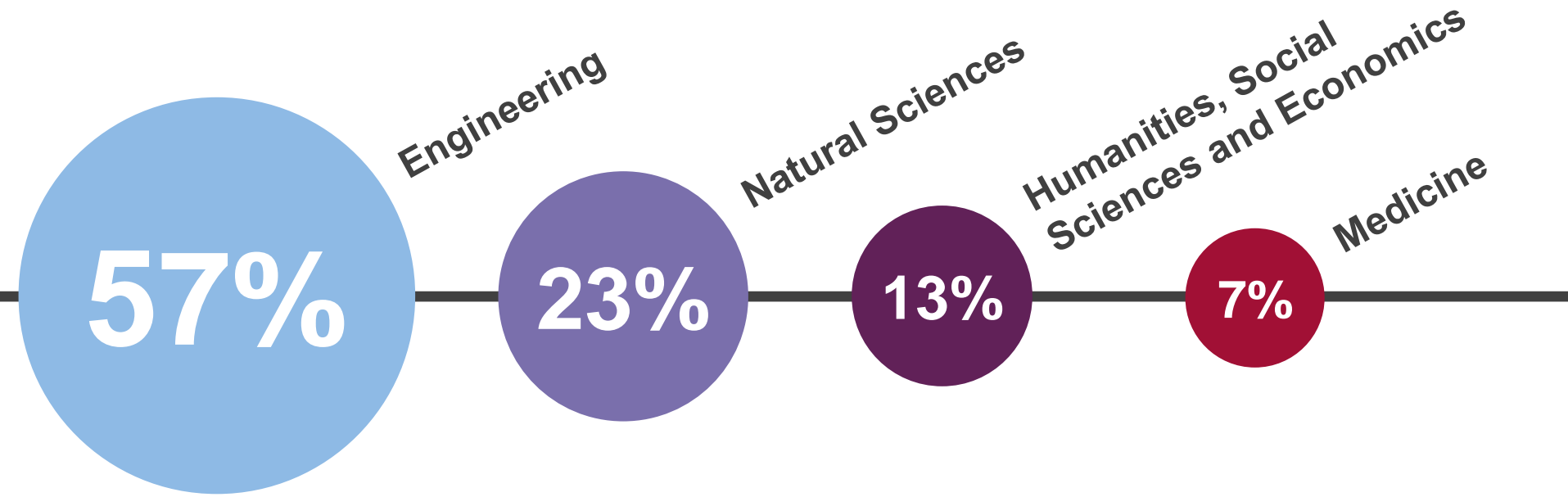
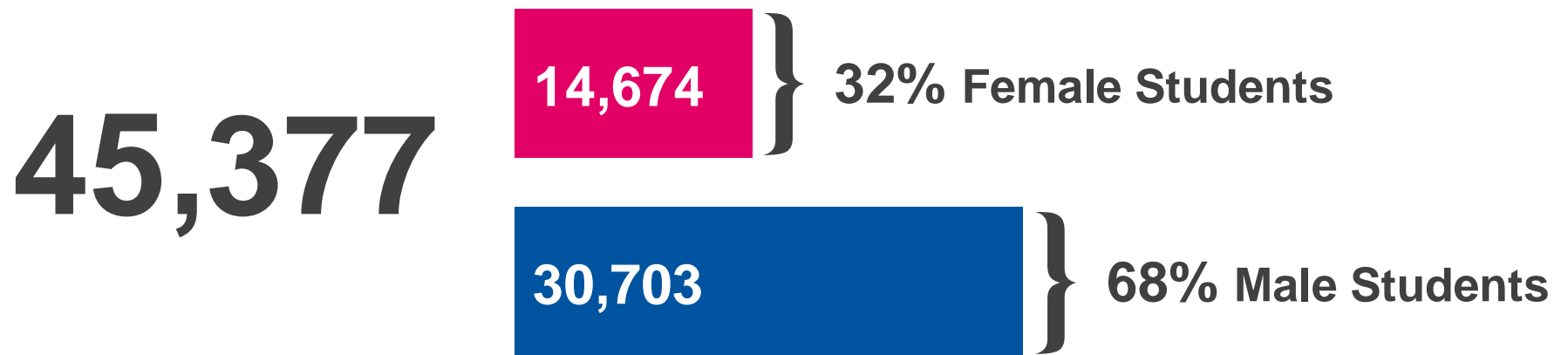
# Catchment Area of Students Winter Semester 2017/18



## Students by Degree



## Students by Discipline





# Students by Discipline

45,377

14,674

32% Female Students

30,703

68% Male Students

18% Electrical Engineering and Information Technology

8% Material Science and Engineering

3% Mineral Resources and Raw Materials Engineering

6% Architecture

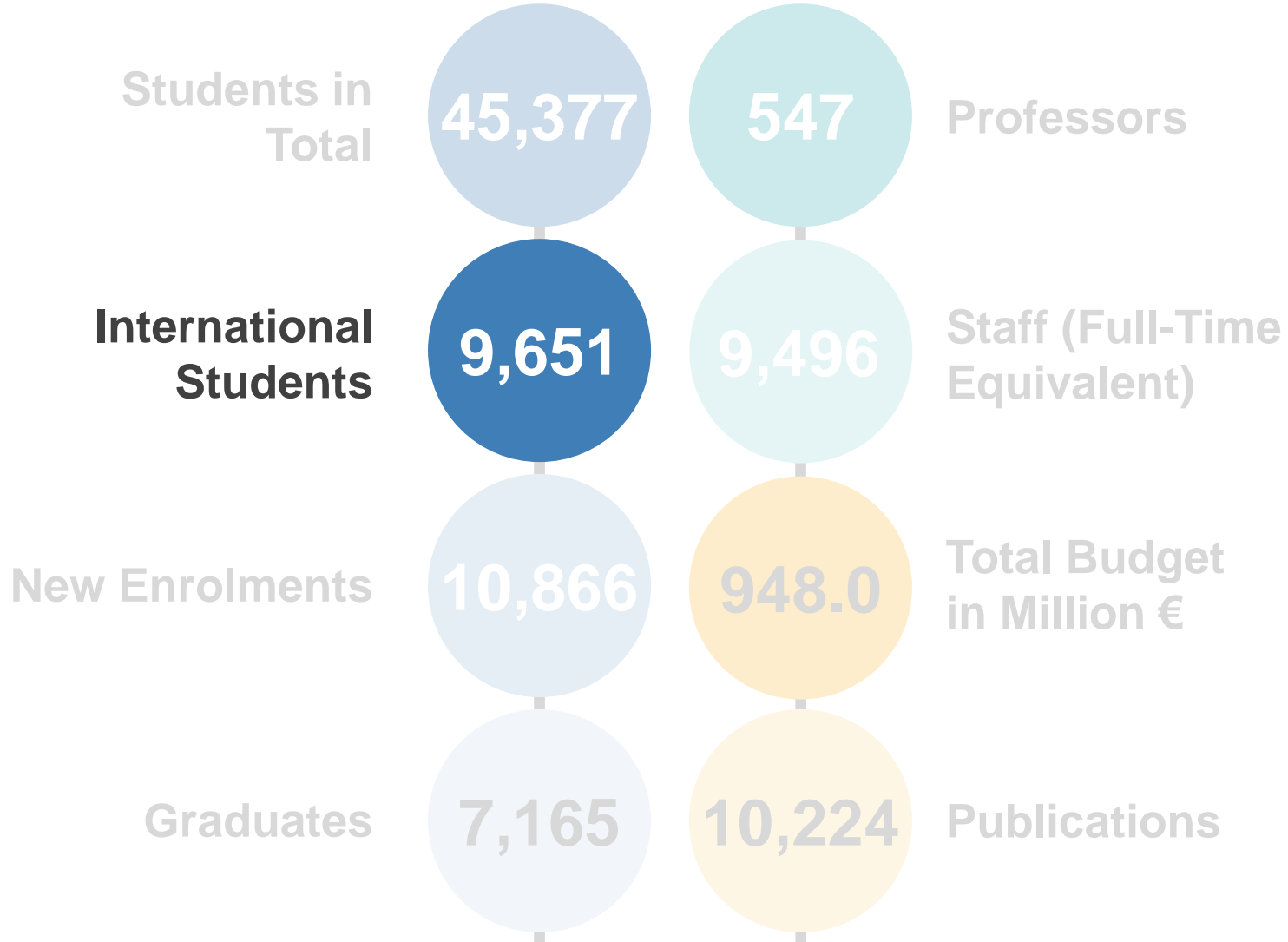
16% Civil Engineering

7% 49% Mechanical Engineering

# RWTH Aachen University

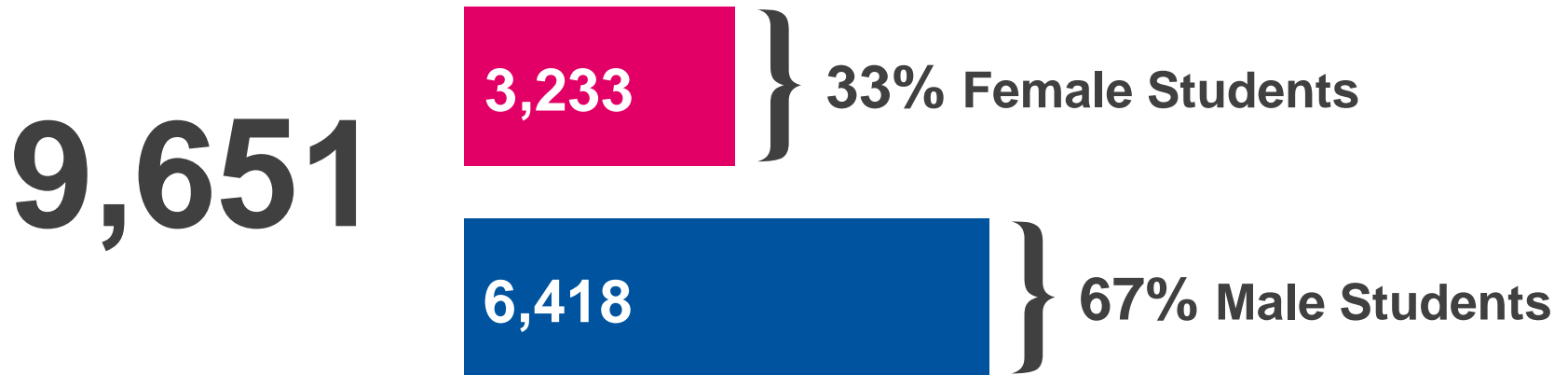
## The Big Picture in Figures

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## International Students

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- Students from 125 countries
- Students from 77 % of all large countries<sup>1</sup>
- Most common countries of origin: China, India and Turkey
- Most common countries of origin related to the number of inhabitants: Luxembourg, Cyprus Bulgaria and Belgium
- High amount of international students: 21.3 % in comparison to the average number of students at German universities (12.8 %)

Data Basis: Nationality

<sup>1</sup> Countries with a population of more than 1 million inhabitants.

# International Students by Degree

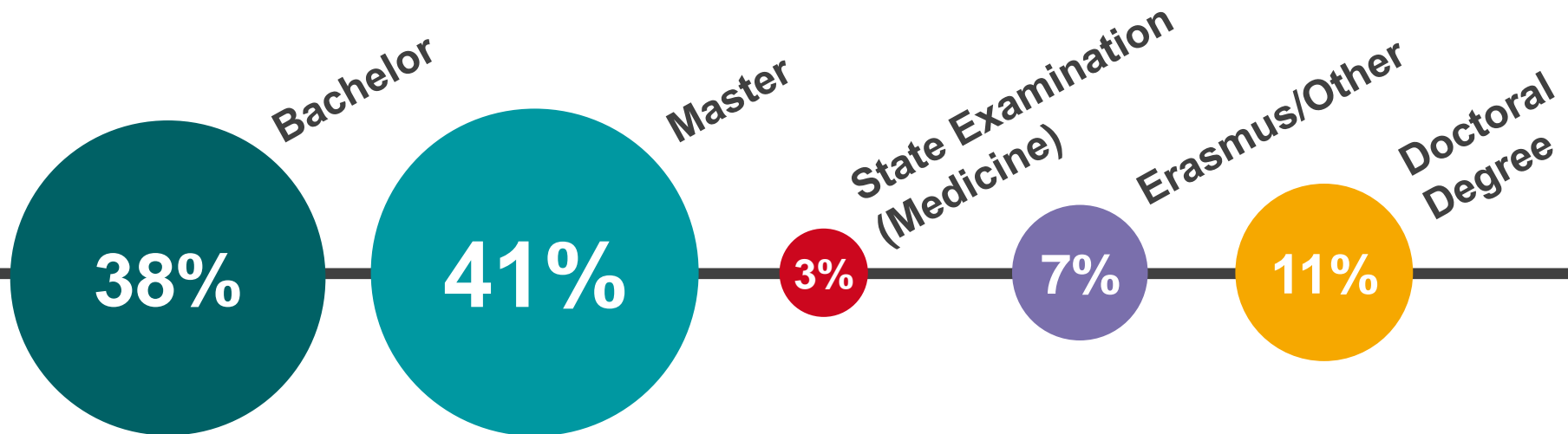
9,651

3,233

33% Female Students

6,418

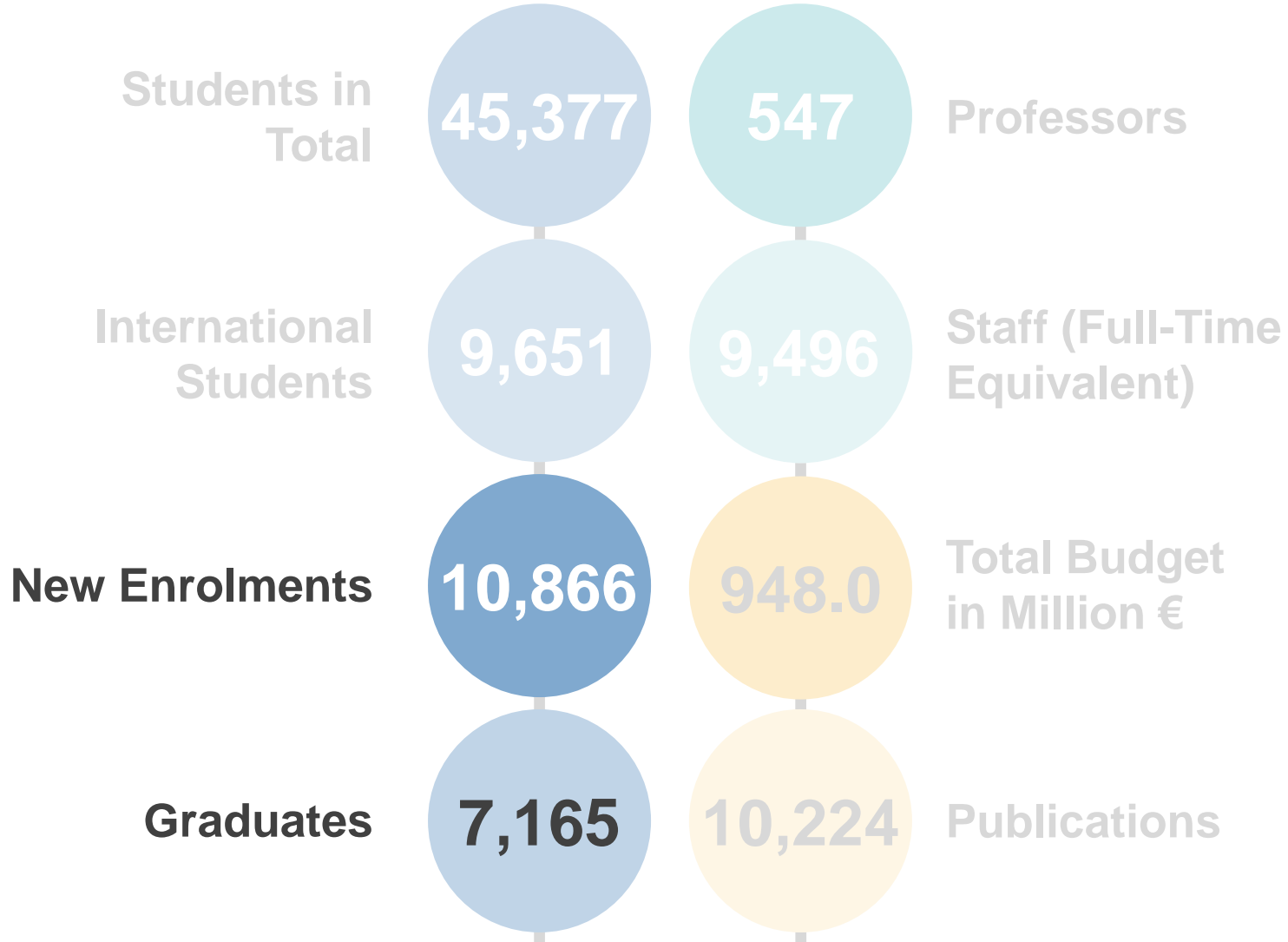
67% Male Students



# RWTH Aachen University

## The Big Picture in Figures

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# New Enrolments in Winter Semester 2017/18

## First and higher Subject-Related Semester

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10,866

3,739

34% Female Students

7,127

66% Male Students

- In WS 17/18 the number of new enrolments reaches the highest level in the history of RWTH.
- More than 1 in 10 of NRW's new students is enrolled at RWTH.
- 55 % of the new students are enrolled in Bachelor degree courses.
- 55 % of the new students study in the field of engineering.
- 27 % of the new students study mechanical engineering.

# Students in First Subject-Related Semester in Winter Semester 2017/18

## All Students in First Subject-Related Semester

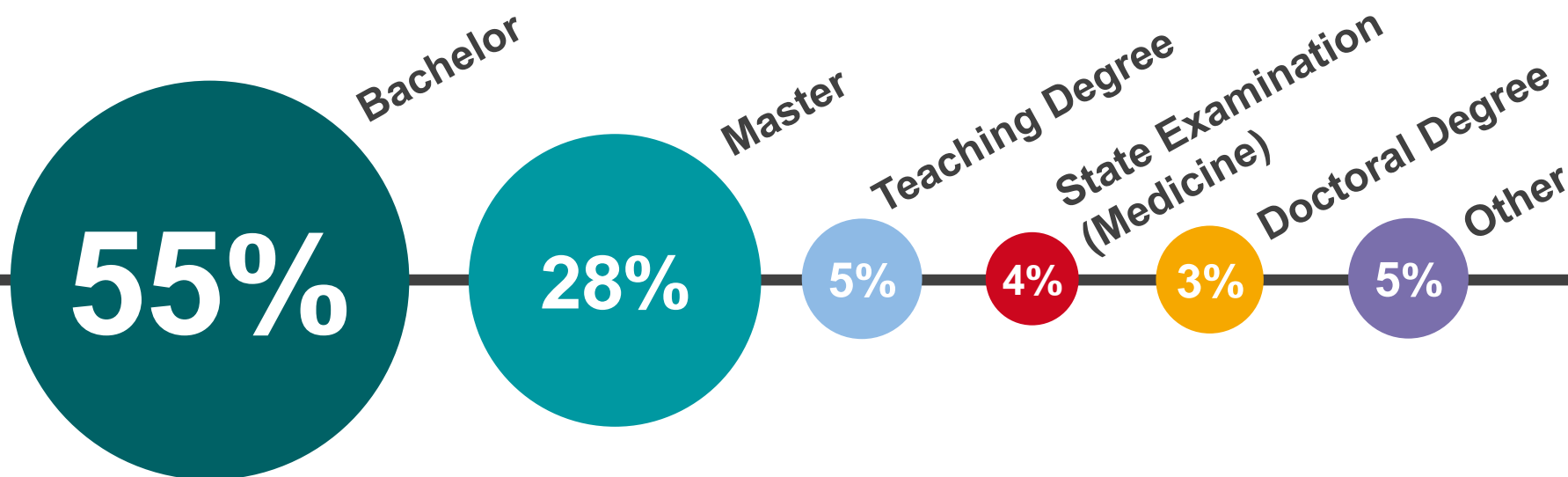
10,866

3,739

34% Female Students

7,127

66% Male Students



# Bachelor and Master 2017

## Students in First Subject-Related Semester & Graduates

**11,269**

Students in First  
Subject-Related  
Semester

**6,554**

} Bachelor

**4,715**

} Master

Data Basis: Students in First Subject-Related Semester (SS 2017 + WS 2017/18)

**6,781**

Graduates

**3,152**

} Bachelor

**3,629**

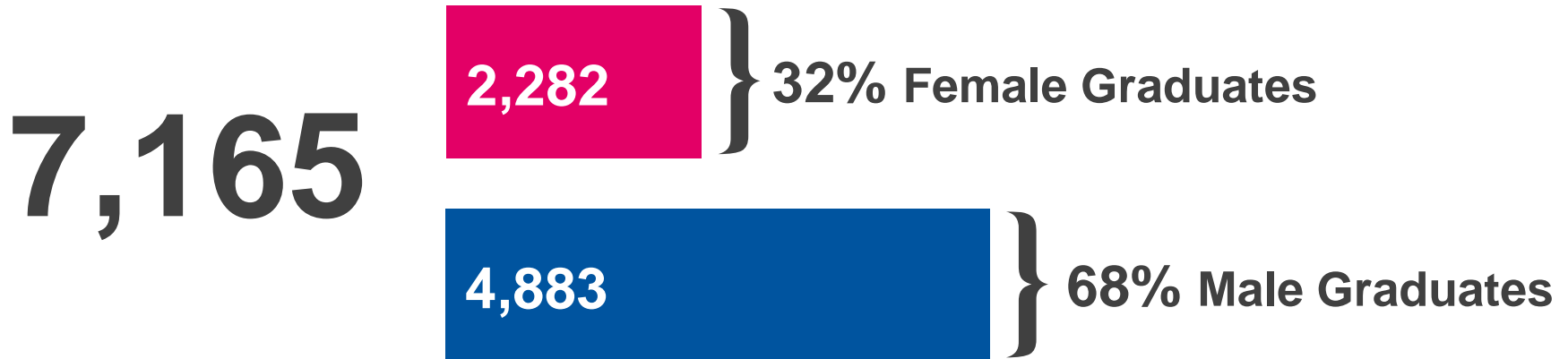
} Master

Data Basis: Graduates in WS 2016/17 and SS 2017



## Graduates 2017

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- One of four boards of directors of the 30 largest German corporations<sup>1</sup> includes at least one graduate of RWTH as a member.
- No other university has more graduates that are CEO of a DAX corporation.
- The nobelists Peter Debye and Thomas Südhof studied in Aachen.
- The alumni network counts more than 21,000 members, for whom worldwide events are regularly offered.

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<sup>1</sup> DAX Companies in February 2018

# Graduates 2017

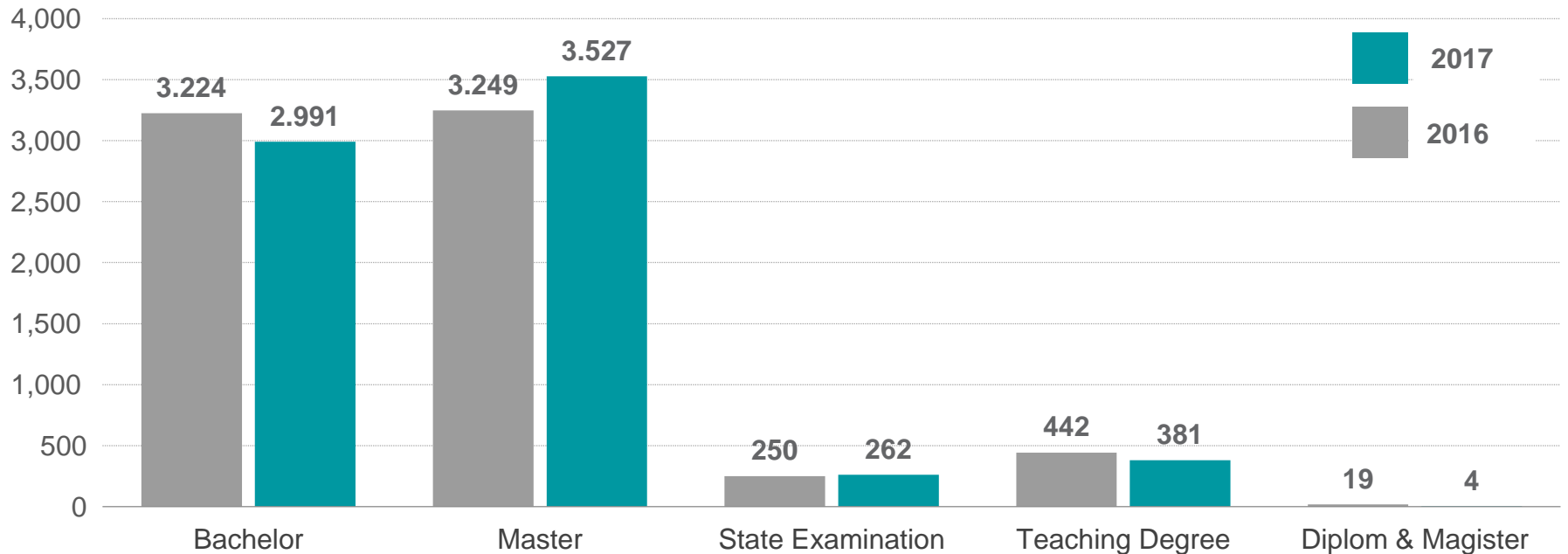
7,165

2,282

32% Female Graduates

4,883

68% Male Graduates



## Doctoral Degrees 2017

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995

318

} 32% Women

677

} 68% Men

- More than 8 % of all doctoral degrees in the field of engineering are awarded in Aachen even though only 5 % of all German Master-graduates of engineering graduate at RWTH.
- RWTH has a DFG Graduate School, twelve Graduate Colleges and 23 other doctoral programmes.
- The Centre for Doctoral Studies provides 3,000 positions in more than 200 different workshops, courses and seminars for the doctoral candidates every year.

# Doctoral Degrees 2017

995

318

32% Women

677

68% Men

Medicine

196

Biology

85

Electrical  
Engineering

84

Mechanical  
Engineering

238

Chemistry

82

Other

131

Physics

73

Humanities and  
Social Sciences

48

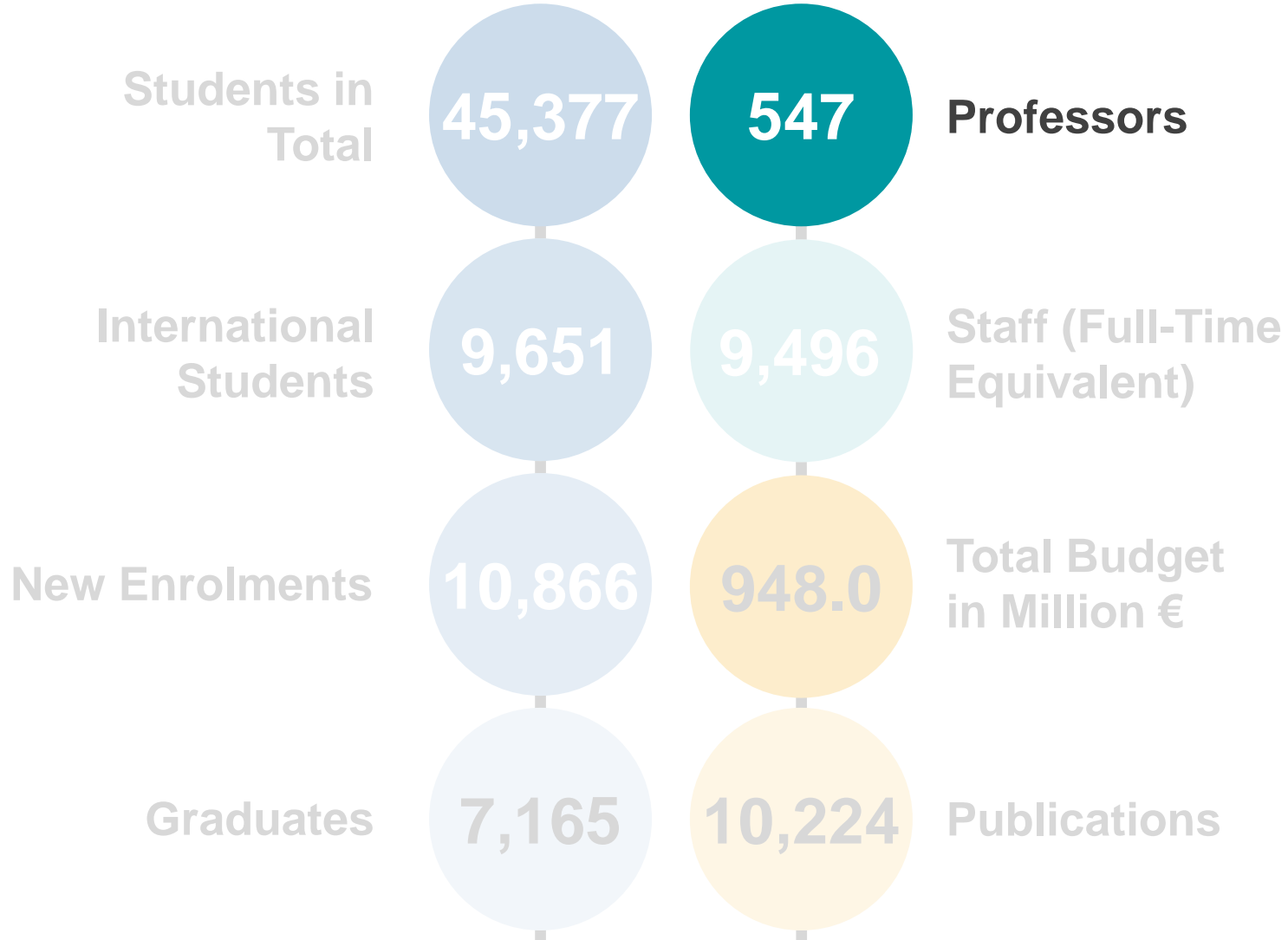
Materials Science

58

# RWTH Aachen University

## The Big Picture in Figures

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## Professors 2017

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547

92 } 17% Female Professors

455 } 83% Male Professors

- Within the last eight years the number of professors increased by more than 100.
- The amount of female professors has more than doubled in the last ten years.
- The amount of professors in the field of MINT is 66 %.
- About 8 % of the professors are junior professors.

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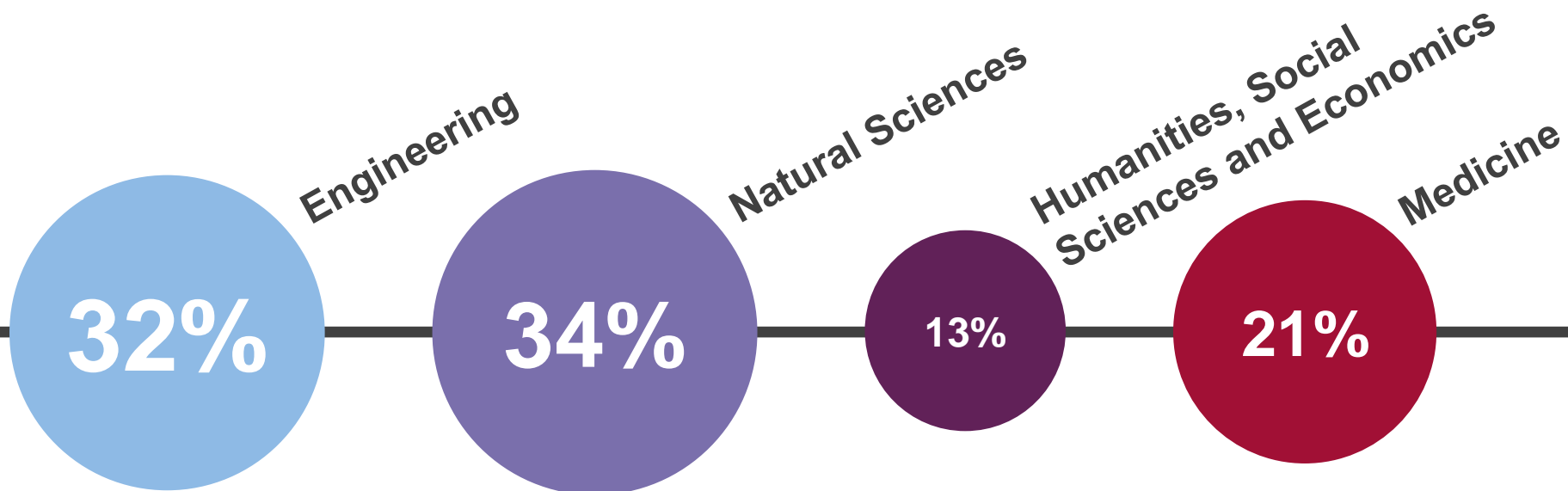
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# Professors by Discipline 2017

547

92 } 17% Female Professors

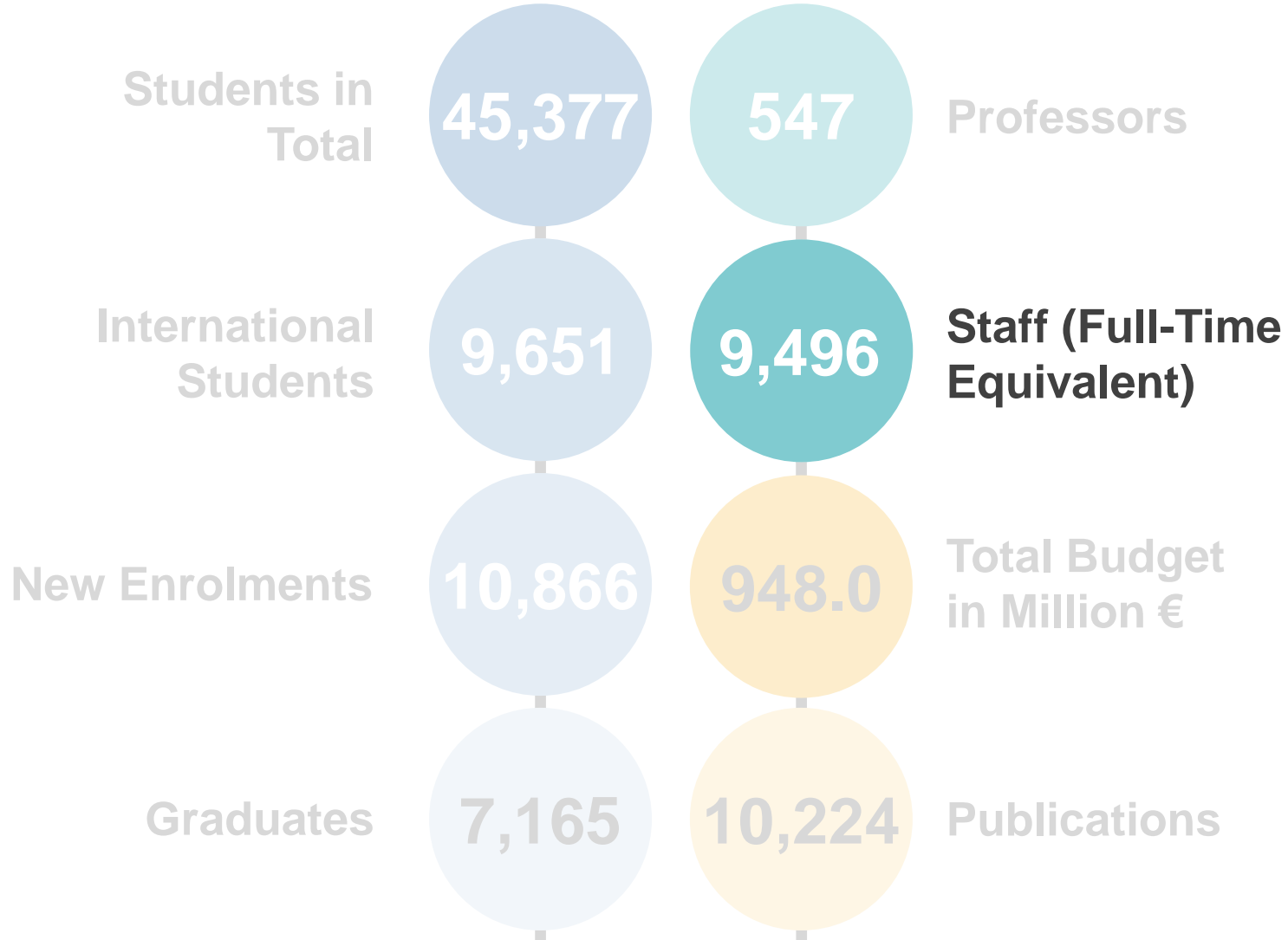
455 } 83% Male Professors



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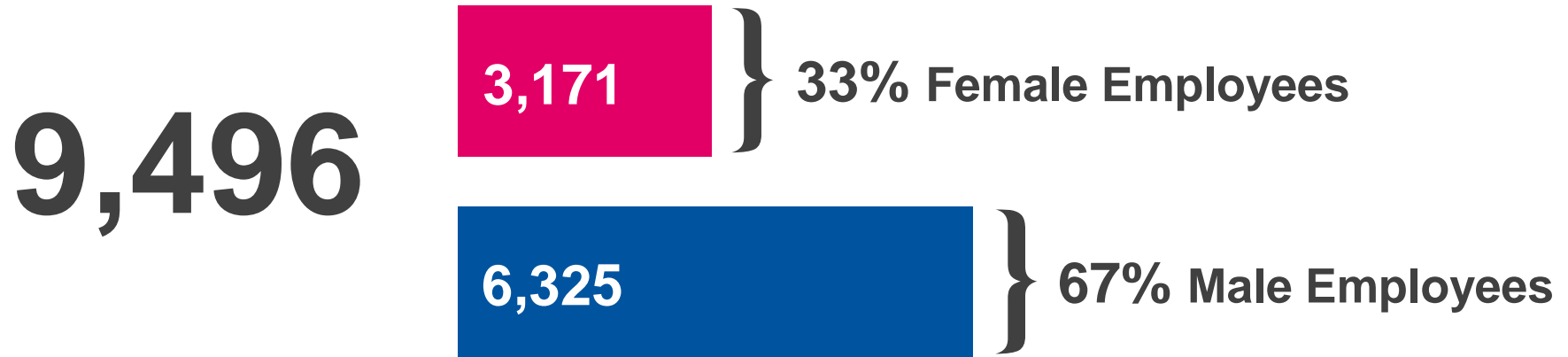
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## Staff 2017

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- The university employs more than 1,000 international employees.
- About two thirds of the employees are academic staff.
- RWTH has the largest on the job training in the region of Aachen.
- Currently, RWTH offers 599 training positions.

# Staff 2017

9,496

3,171

33% Female Employees

6,325

67% Male Employees

4,828

Staff from Grants  
from the State of  
NRW

3,420

Staff from third  
party Funding

649

Staff from  
Special Funds

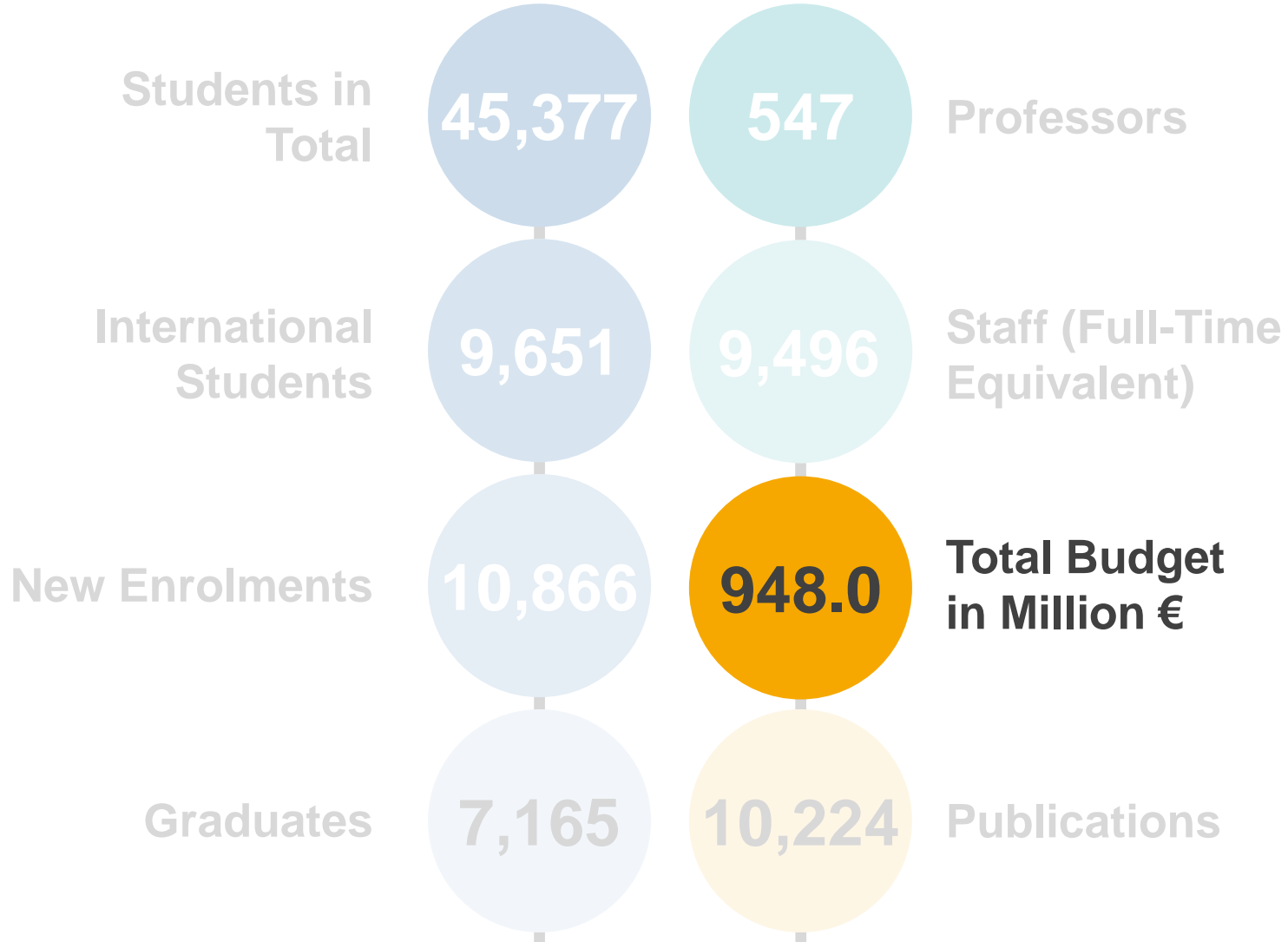
599

Trainees / Interns

# RWTH Aachen University

## The Big Picture in Figures

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## Total Grants and Funding 2017

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**948.0  
Million €**

**493.4 Million €**

**} Grants from the  
State of NRW**

**454.6 Million €**

**} Project Funds**

- The state grant is 384.0 million € for the university without medicine and 109.4 million € for the faculty of medicine.
- The project funds are 360.3 million € for research and 94.3 million € for teaching.
- RWTH Aachen is the university in Germany with the most third party funds.
- In the last seven years the amount of third party funds for research increased by about 190 million €.

# Source of Grants and Funding

**948.0**  
**Million €**

**493.4 Million €**

**Grants from the  
State of NRW**

**454.6 Million €**

**Project Funds**

Teaching Funds  
(QVM, QL & HSP)

**94.3**

Industry and  
Economy

**92.4**

BMBF and other  
Federal Departments

**96.5**

DFG

**91.4**

Million

€

**44.0**

Other

**1.6**

NRW

**7.5**

Foundations

**26.9**

EU

# Source of Grants and Funding

**948.0**  
**Million €**

**493.4 Million €**

**Grants from the  
State of NRW**

**454.6 Million €**

**Project Funds**

Teaching Funds  
(QVM, QL & HSP)

**20.7**

Industry and  
Economy

**20.3**

BMBF and other  
Federal Departments

**21.2**

DFG

**20.1**

**%**

**9.7**

Other

**0.4**

NRW

**1.7**

Foundations

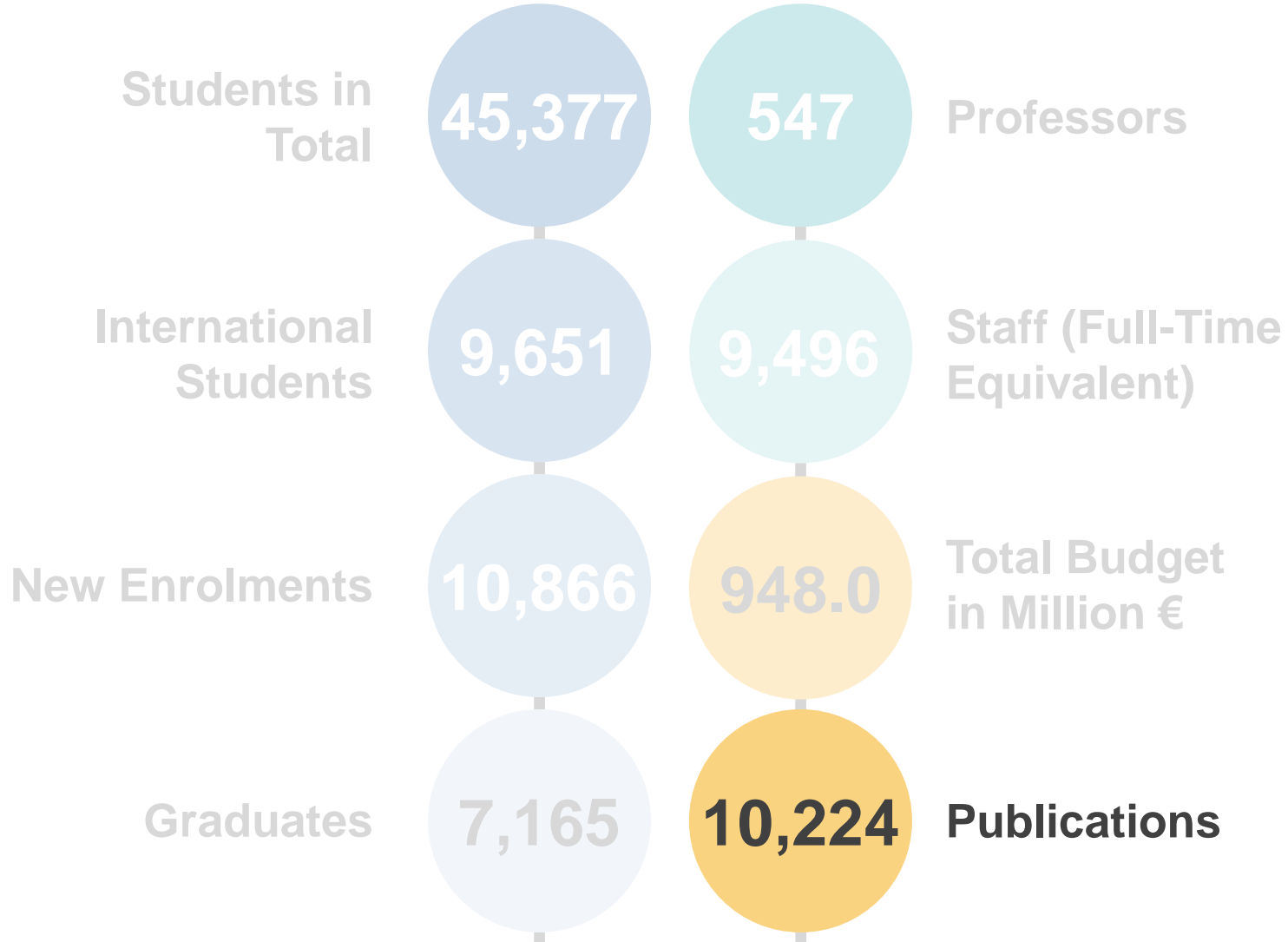
**5.9**

EU

# RWTH Aachen University

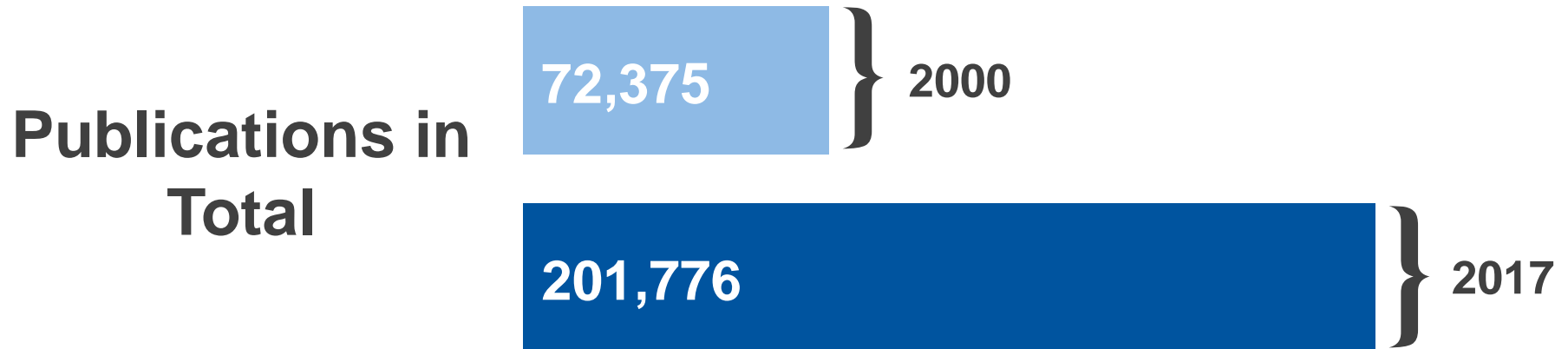
## The Big Picture in Figures

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# Performance Indicator Publications

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Source: RWTH Publications

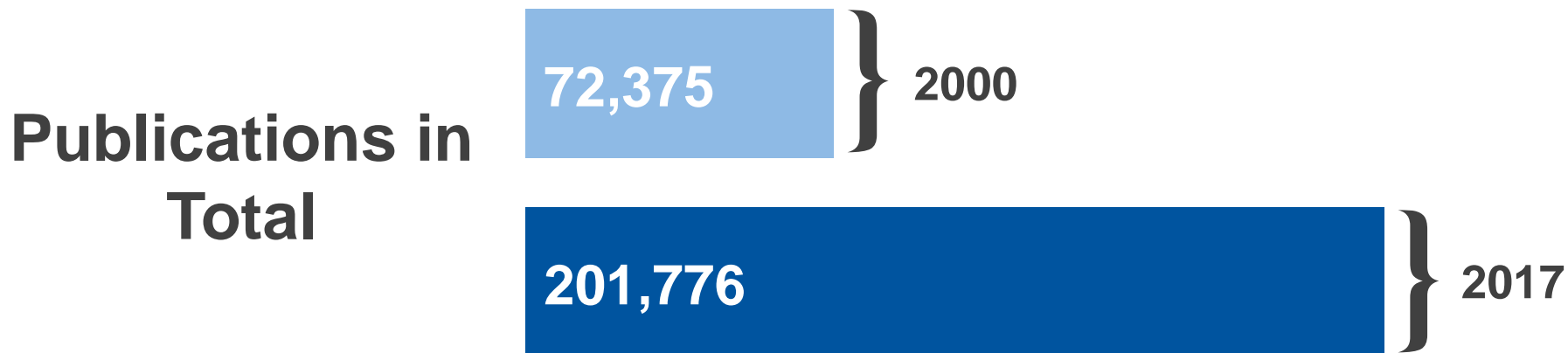
- More than 88,000 publications during the last ten years
- About 648,500 citations since 2007
- In average 71,500 citations of publications of staff members of RWTH each year
- In average 25 citations per scientist per year

Source: RWTH Publications & Web of Science

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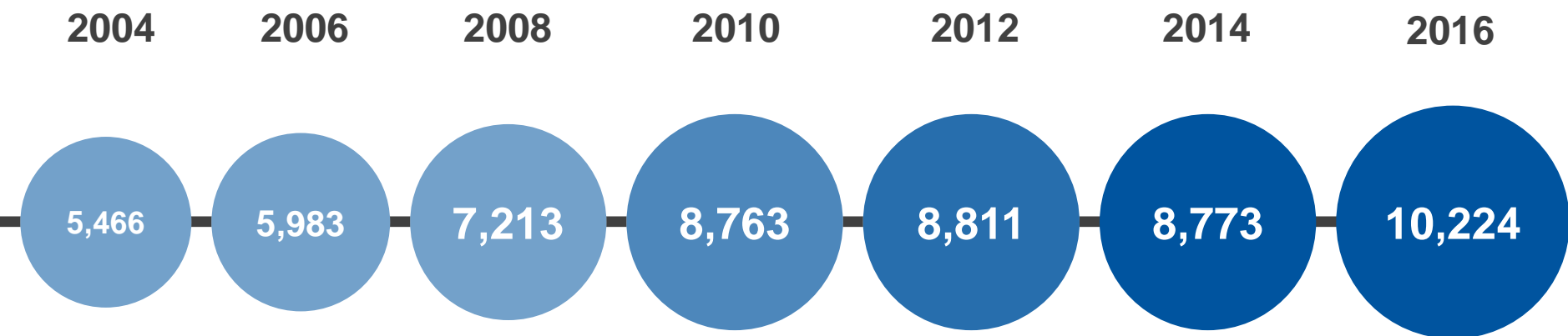


# Performance Indicator New Publications per Year



Source: RWTH Publications

## Number of new publications per year (RWTH Publications):



Source: RWTH Publications

# Performance Indicator Reputation

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- Many rankings certify RWTH best scores.
- In 2017, RWTH achieves the 79<sup>th</sup> place in the THE Ranking, which belongs to the most significant rankings world-wide.
- In WIWO Ranking RWTH is placed first considering mechanical engineering, electrical engineering and industrial engineering. In natural sciences and computer science RWTH achieves the 2<sup>nd</sup> place .
- Allensbacher Inst. f. Demoskopie: 70 % of German managers have got a positive image of RWTH Aachen – no other university was better evaluated.

## Graduates Survey

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**Would you  
choose the  
same University  
again?**

73%

} Average Master  
(Germany nationwide)

84%

} RWTH Master

\*Graduates in Academic Year 2015

- 84 % of Master and 71 % of Bachelor graduates would choose RWTH again as place of study.
- The rate at other universities is lower with 73 % and 69 %.
- RWTH graduates are sought after by employers: 1 year after their graduation less than 2 % of graduates are seeking work.

## First Semester Survey

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**RWTH is the  
desired University  
of First Semester  
Students**

92%

} Yes

} 3% No

Remaining 5 %: Not sure

- First semester students are generally pleased with RWTH and their subject of study.
- 89 % study their desired subject, 92 % study at their desired university.
- Most common reason why people decide to study in Aachen is the reputation: 89 % name the good reputation of RWTH as a reason.
- Other reasons: „Recommendation of third party“ (62 %), „RWTH Aachen positions in a University Ranking“ (60 %), which are more important than the reasons „proximity to hometown“ (46 %) and „facilities of RWTH Aachen“ (35 %).

Thinking the Future  
Zukunft denken

**RWTH**AACHEN  
UNIVERSITY