

Aalto University in 2019

—

A”

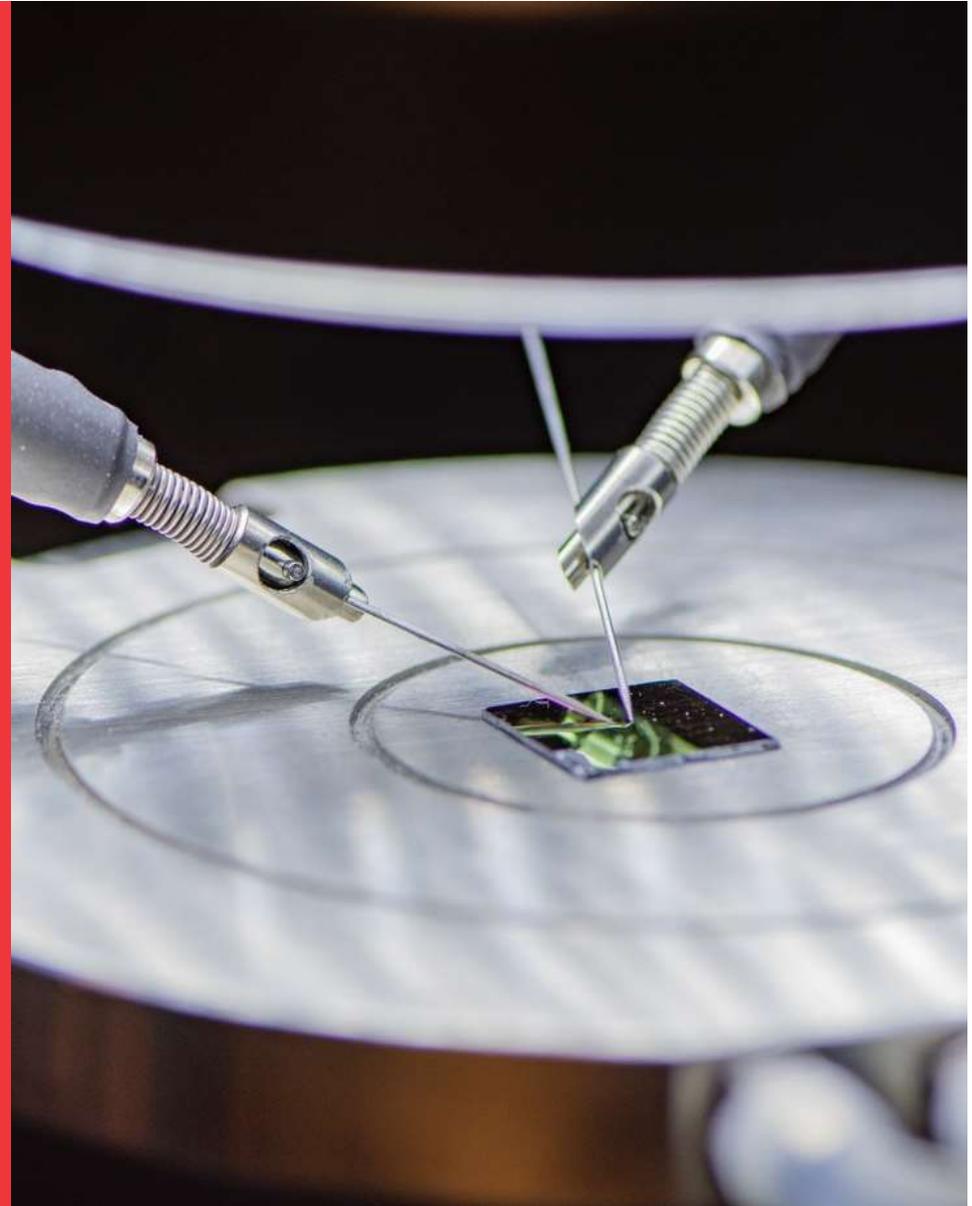
Aalto-yliopisto
Aalto-universitetet
Aalto University



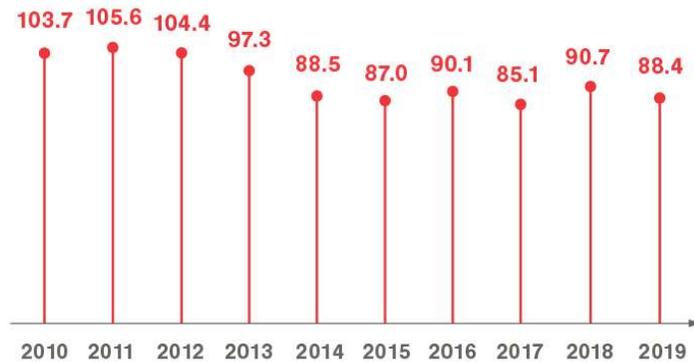
Research

We direct our research towards seven key areas: ICT and digitalisation, materials, art and design, business, energy solutions, living environments, and health and wellbeing.

The number of refereed articles in scientific journals has increased by 61% since 2010.

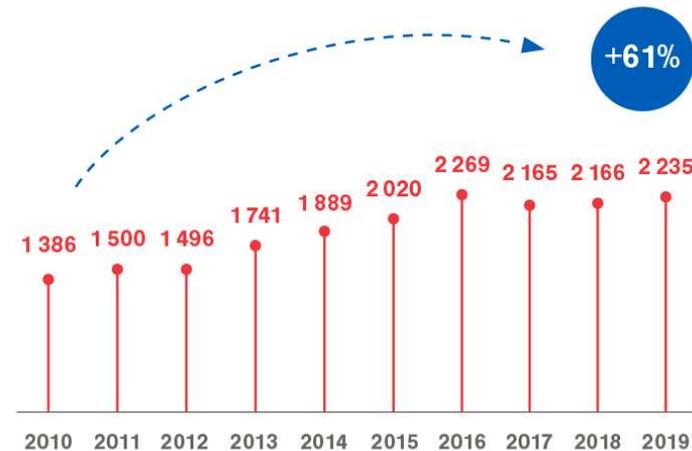


Research funding and articles



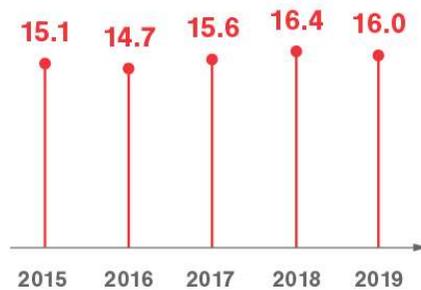
Competitive research funding (€ million)

The number includes e.g. research funding from the Academy of Finland, Business Finland and companies, as well as competitive EU funding.



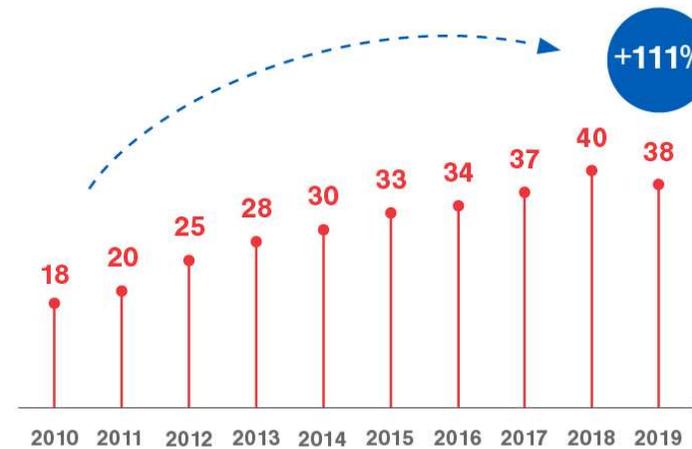
International peer-reviewed articles in scientific journals

Quality of publications and international faculty



Quality of publications

Share of Aalto University publications that belong to the top 10% most highly cited publications in the world in the same subject area. This indicator has been used since 2015.



International faculty (%)

Excellence in research

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Recipients of European Research Council (ERC) funding	6	6	10	13	16	17	21	26	26	24
Academy of Finland Centres of Excellence	9	9	7	7	7	7	7	7	6	6
Academy of Finland Academy Professors	6	5	7	7	7	6	7	5	5	5
Academy of Finland Research Fellows	39	38	37	34	36	34	38	40	41	44

Professors

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
All professors	230	239	293	329	369	388	386	386	389	390
International	4%	6%	12%	15%	17%	18%	20%	22%	24%	24%
Women	10%	11%	13%	16%	17%	20%	19%	20%	20%	21%

New professors*	0	18	83	131	185	216	228	243	268	278
International	--	28%	29%	31%	29%	28%	30%	31%	33%	32%
Women	--	17%	19%	23%	24%	27%	25%	26%	26%	26%

* New professors refer to professors appointed to the Aalto University tenure track career system, implemented in 2010.

The tenure track career system is the university's most important strategic investment.

71% of all professors in 2019 are recruited after 2010.

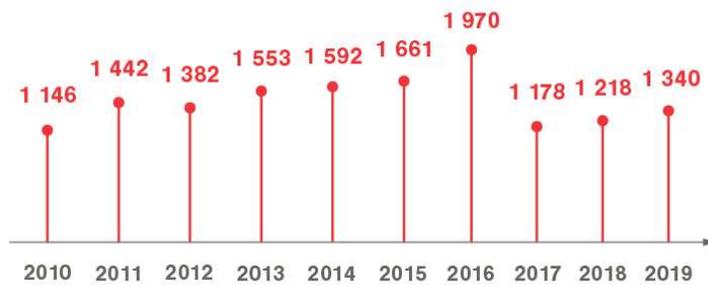
Education

The strategic development of teaching and learning continued, as well as the long-term work to streamline study paths.

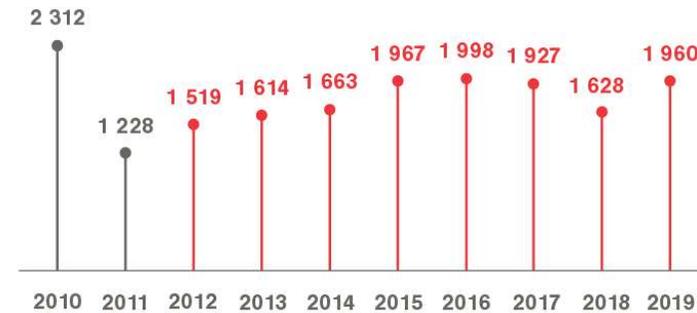
The numbers of master's and doctoral degrees exceeded the targets set by the Ministry of Education and Culture.



Bachelor's and master's degrees



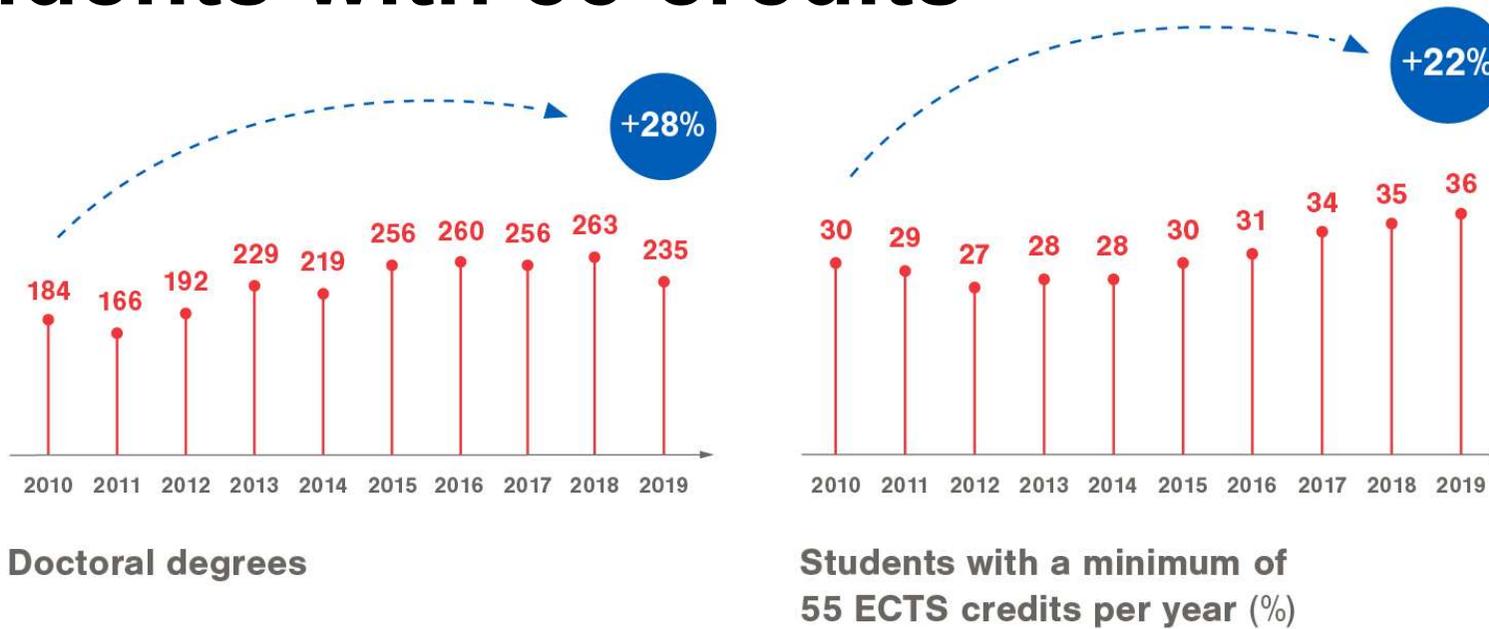
Bachelor's degrees



Master's degrees

Degree reforms and their transition periods have affected the number of master's degrees in 2010, 2011 and 2018.

Doctoral degrees and students with 55 credits



Basic degree students 2019

5 337
master's students,
of which **1 360**
are international



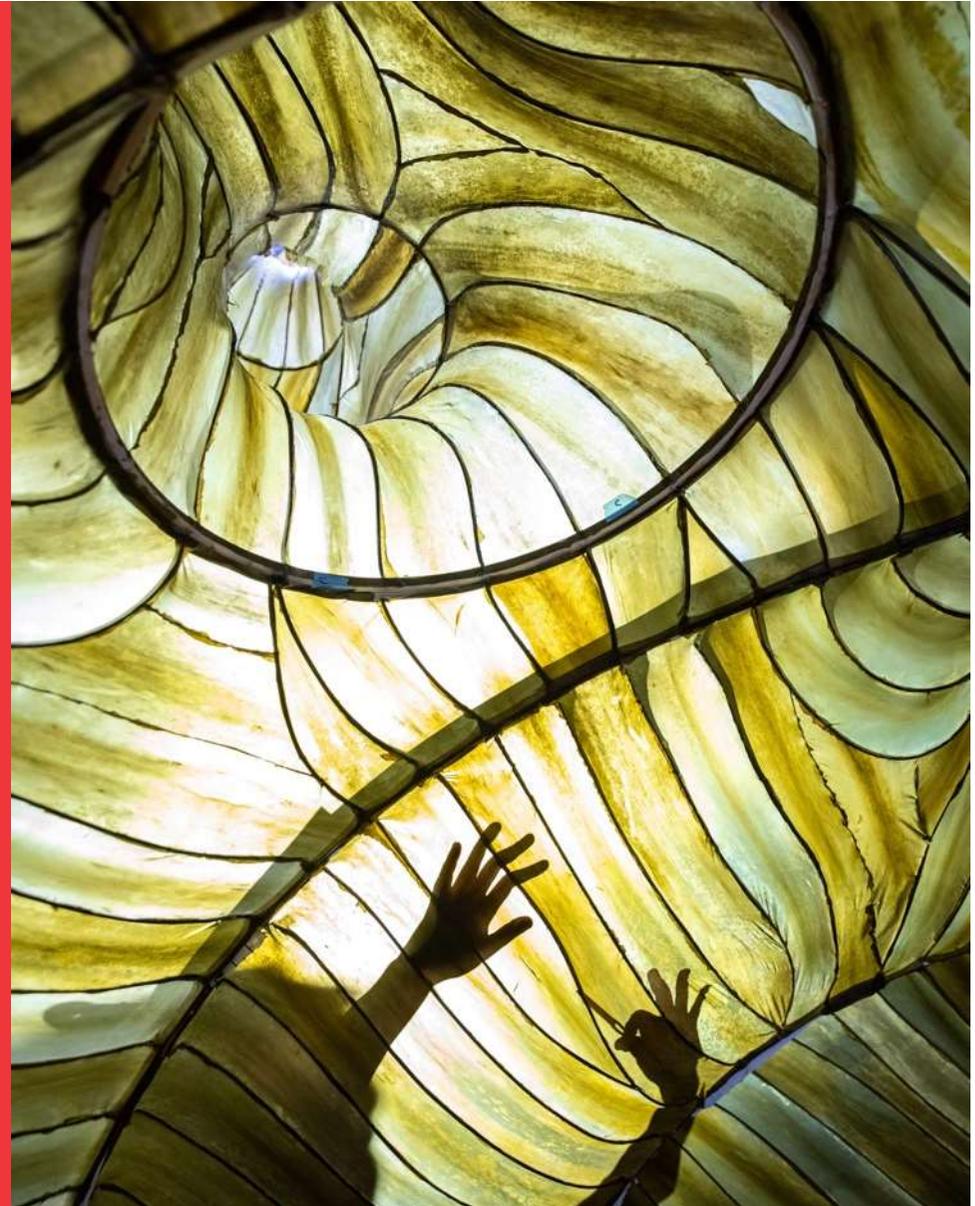
5 869
bachelor's students,
of which **232** are
international

* Full-time equivalent degree students.

Art and creative practices

International prominence in the fields of art, design and architecture continued, with the university participating in several major events.

Art and creative practices offer fresh insights for all lines of research and studies.



Artistic excellence

Art and design 7th in the world

The QS Rankings put Aalto's art & design to 7th place and architecture to 41st place worldwide.

29 university-wide art courses

Over 400 participants from all Aalto schools attended the UWAS courses.

Artworks in important events

Paris Photo, Pitti Uomo, Ars Electronica, Venice Biennale, Triennale di Milano, Dutch Design Week, Helsinki Design Week, Cannes Film Festival, Buenos Aires Biennale of Architecture, Bozar.

Significant awards

Red Dot, Jussi and Venla awards, Young Designer of the Year, International Sound Award, Designer's Nest, Hyères, Suomipalkinto award.

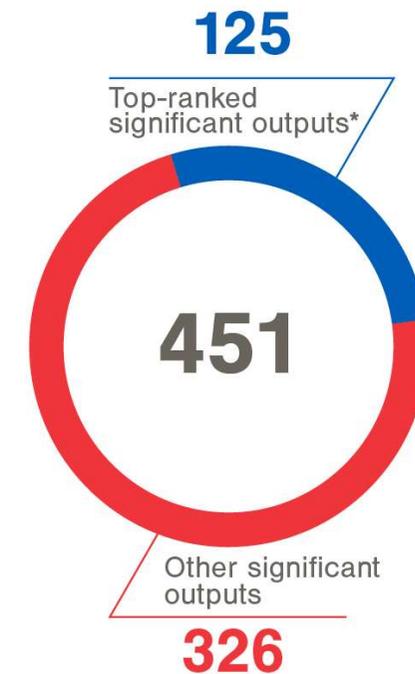
University's art collection grew

The Human Approach art concept at the School of Business contains works by nine artists, such as Pilvi Takala's video series of Slush.

Helsinki Design Week on campus

Our campus was one of the main venues for the festival in September showcasing over 40 trans-disciplinary projects from Aalto University.

Significant artistic outputs 2019

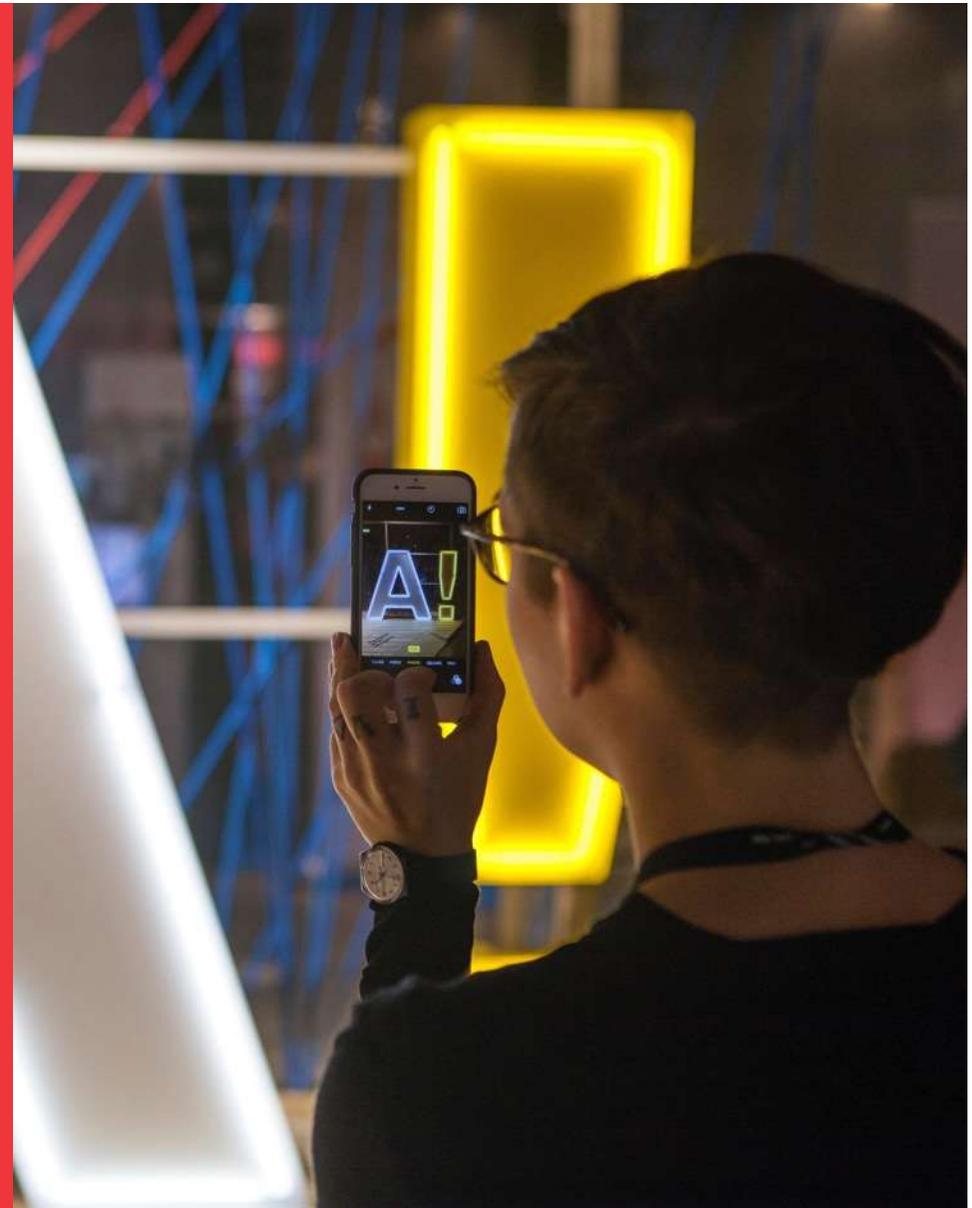


* Includes artistic outputs in world's most important artistic forums.

Rankings

In field-specific rankings Aalto ranks among the best in the world.

In 2019, QS placed Aalto 9th in the world among universities founded less than 50 years ago.



Rankings in key research areas

ICT and digitalisation

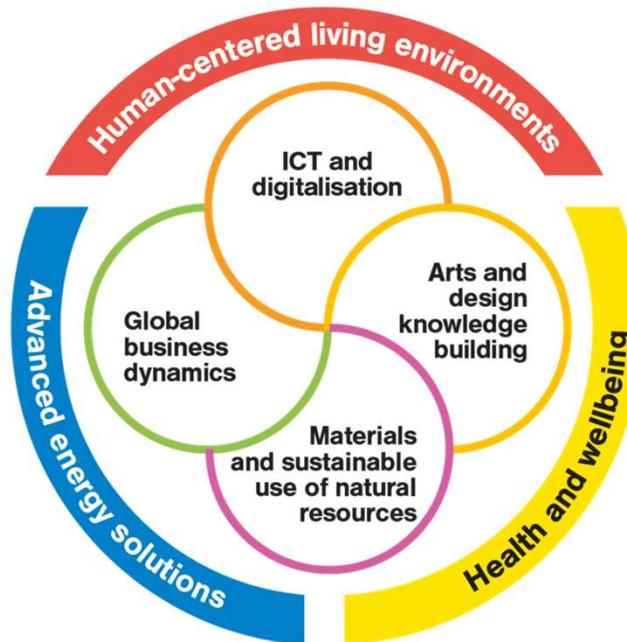
ShanghaiRanking: Telecommunication Engineering 22 (2018: 28)
US News: Computer Science 33 (2018: 43)

Global business dynamics

ShanghaiRanking: Business Administration 29 (2018: 34)
Management 32 (2018: 36)

Advanced energy solutions

ShanghaiRanking: Electrical & Electronic Engineering 76-100 (2018: 51-75)



Human-centred living environments

QS: Architecture/Built Environment 2020: 41 (2019: 42)

Arts and design knowledge building

QS: Art & Design 2020: 7 (2019: 7)

Health and wellbeing

ShanghaiRanking: Medical Technology 101-150 (2018: 101-150)

Materials and sustainable use of natural resources

ShanghaiRanking: Mining and Mineral Engineering 76-100 (2018: 51-75)

Campus

The long-term campus development programme progressed as planned.

In February 2019, the School of Business moved to a new building in Otaniemi.



Developing campus



2018

School of Arts, Design and Architecture (Väre), shopping centre A Bloc and startup community A Grid opened.

2019

School of Business building opened. Renovation of Aalto University Töölö began.

2020

Campus outdoor area improvement begins. Aalto University Töölö renovation completed. Otaniemi old shopping centre renovation.

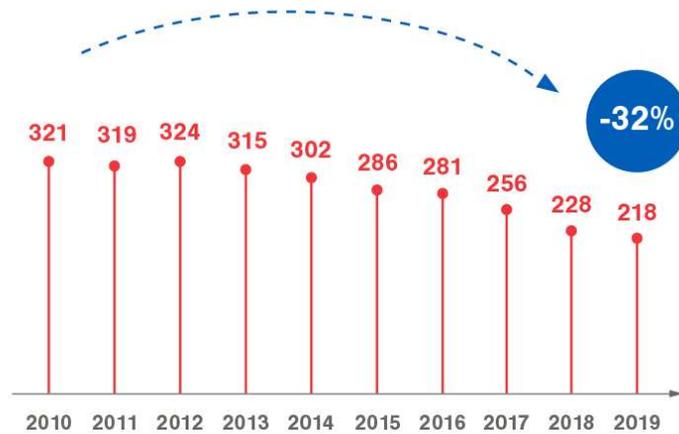
2021 – 2023

Construction of Aalto Works, Student Centre, Otakaari 2A & B, Otakaari 5L and residential buildings.

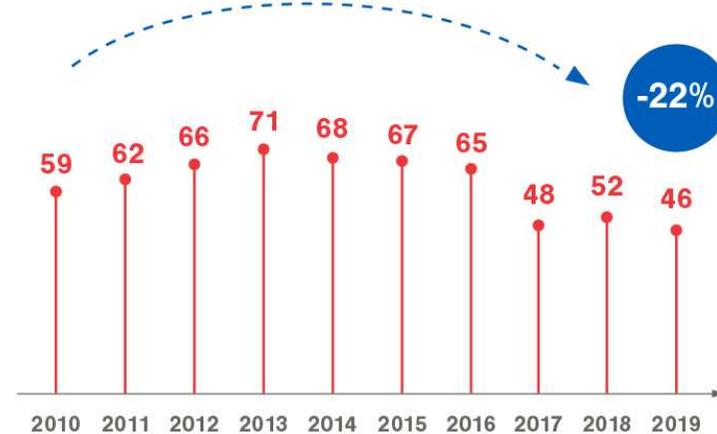
2024 – 2035

Development of university buildings, new student housing, residential and office buildings.

Campus spaces and costs



Facility usage (1 000 sqm)



Facility costs (€ million)

Sustainability

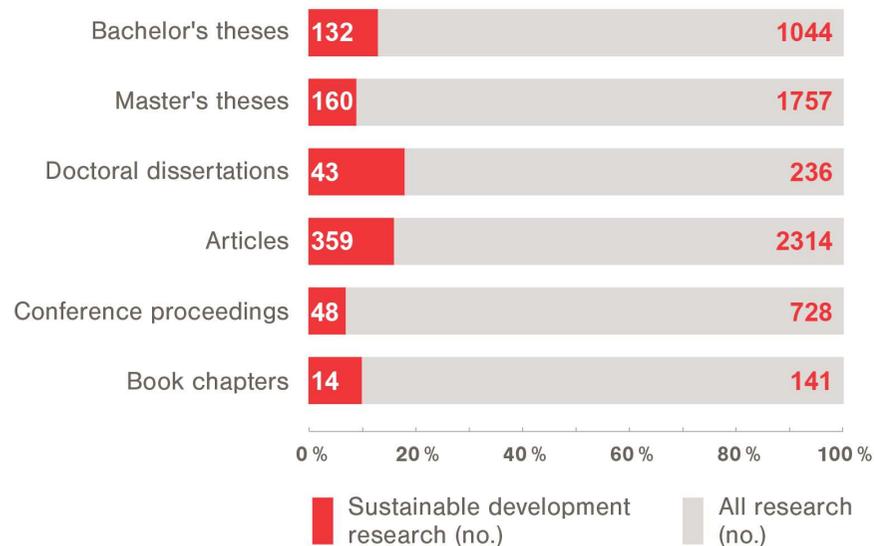
Sustainable development and responsibility are central factors in our strategy and shared values.

The university takes sustainable development and responsibility into account in teaching, research and other operations.



Publications related to sustainability 2019

Number and share of all publications



Sustainable development was the topic of 12% of all publications at Aalto in 2019.

In addition, numerous research projects are indirectly linked to sustainability via e.g. utilisation of research results.

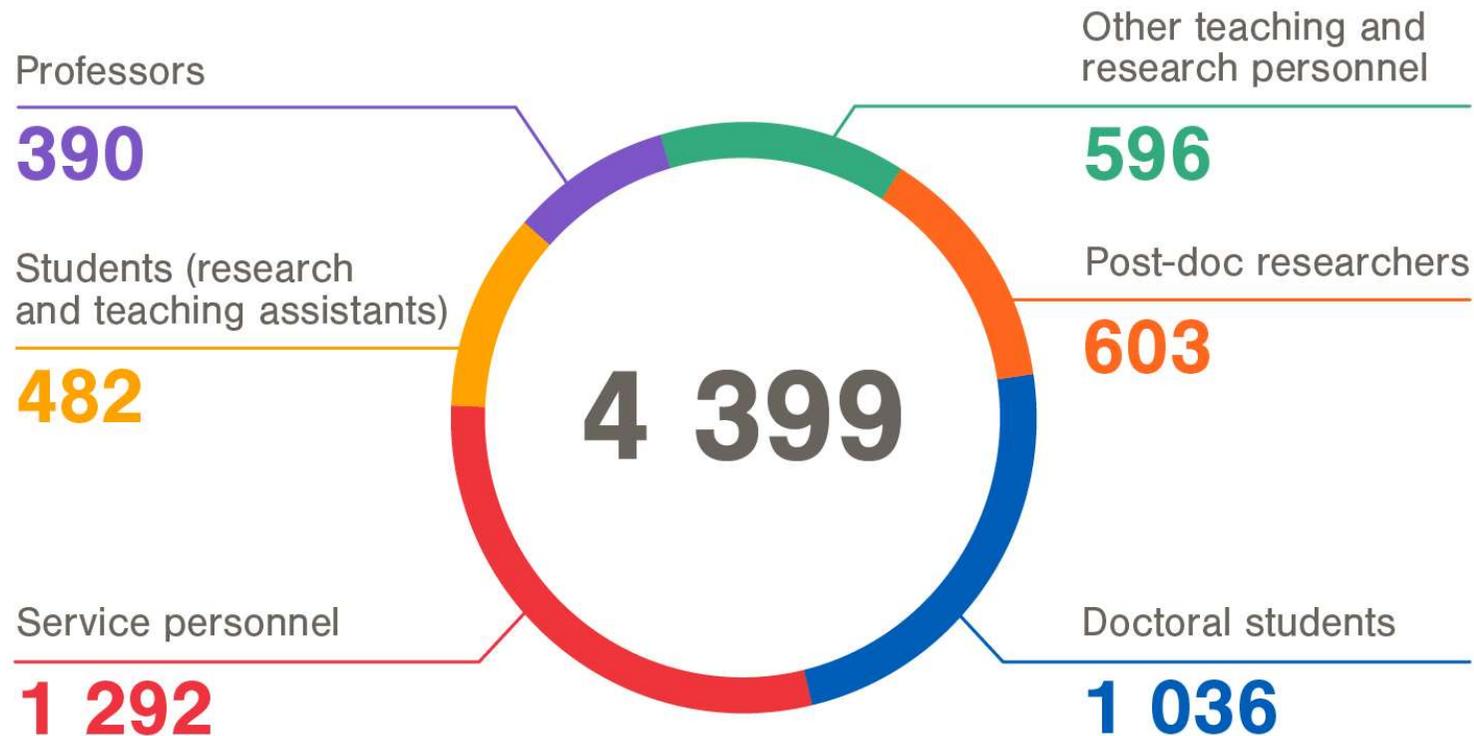
Personnel

38%

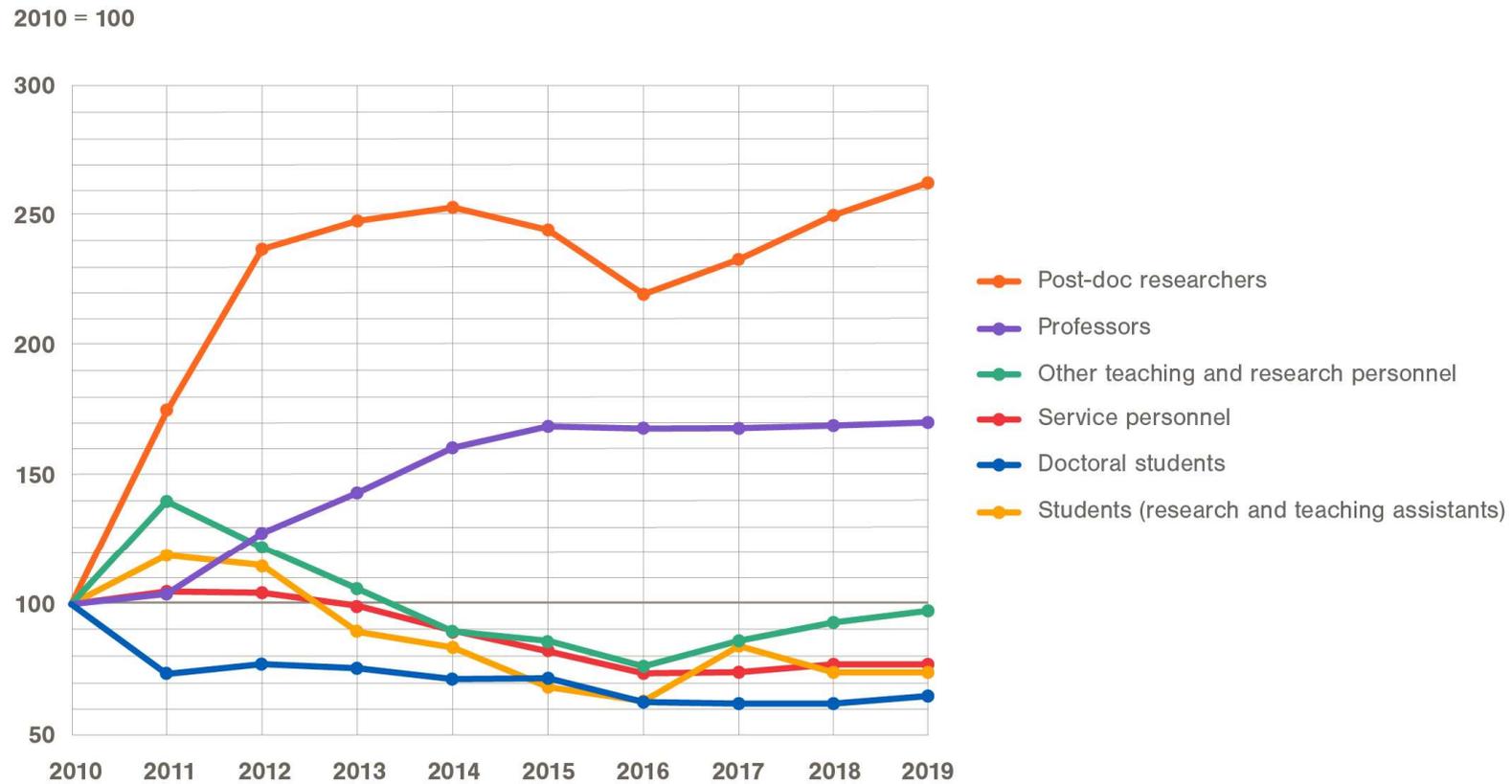
of the academic faculty
is international.



Personnel structure



Personnel structure 2010–2019



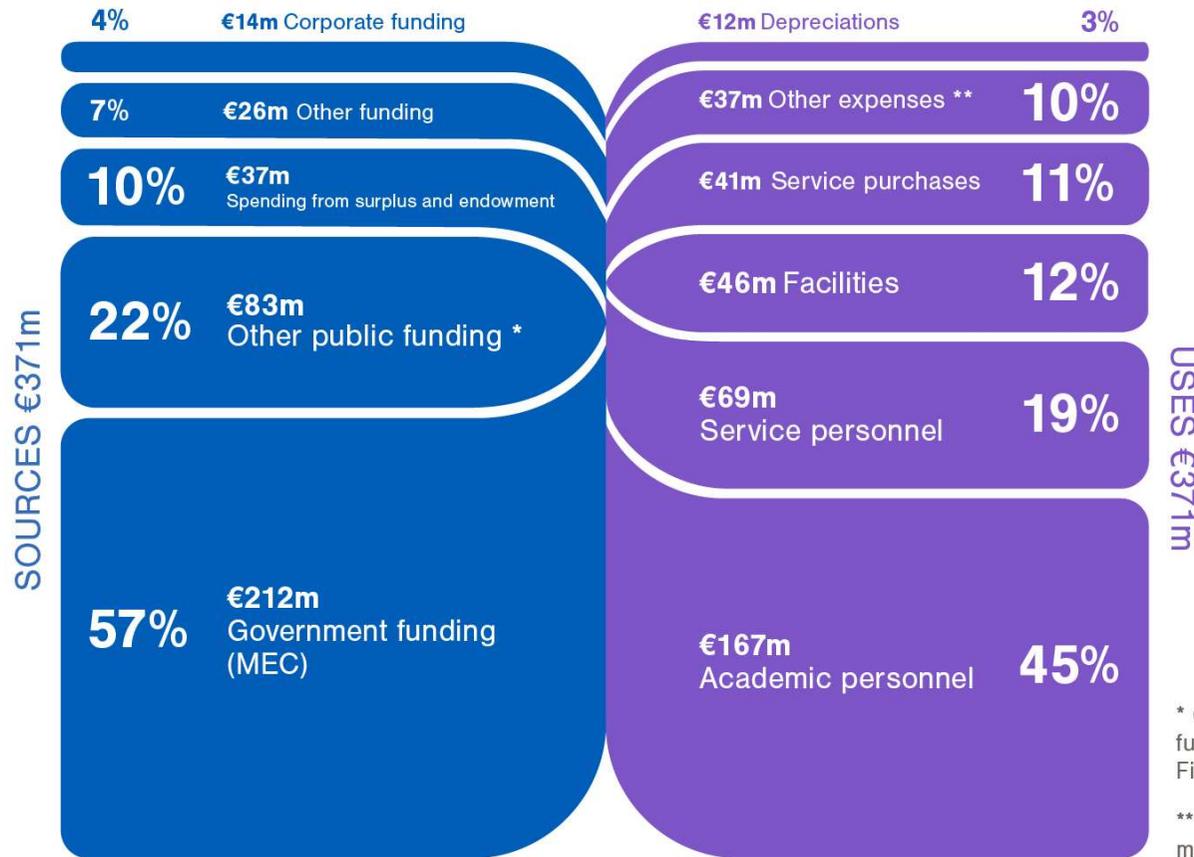
Finance

In 2019, the pro forma operative income totalled €339 million.

Main sources of income were government funding, €212 million, and grant income from Academy of Finland, EU and Business Finland, €83 million.



Sources and uses of funds 2019

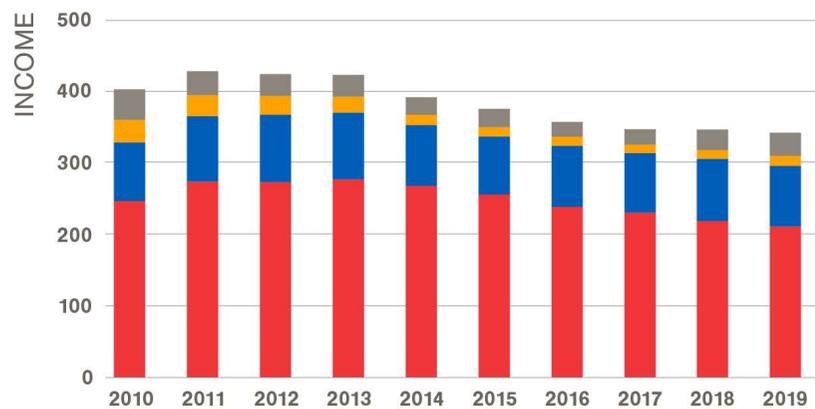


* Other public funding consists of funding from the Academy of Finland, Business Finland and EU.

** Consists of e.g. travel expenses, materials and supplies.

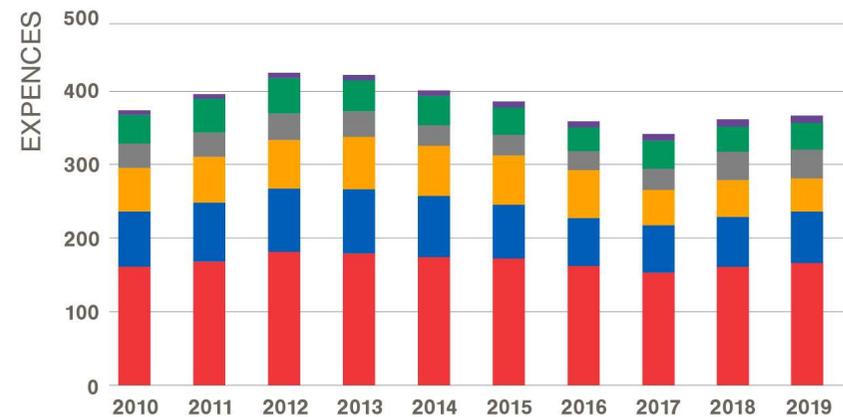
Income and expenses 2010–2019

€ million



■ Government funding ■ Other funding
■ Other public funding* ■ Corporate funding

* Other public funding consists of funding from the Academy of Finland, Business Finland and EU.



■ Academic personnel ■ Service purchases
■ Service personnel ■ Other expenses**
■ Facilities ■ Depreciations

** Consists of e.g. travel expenses, materials and supplies.



A?
Aalto University