

Aalto University in 2018

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Aalto-yliopisto
Aalto-universitetet
Aalto University



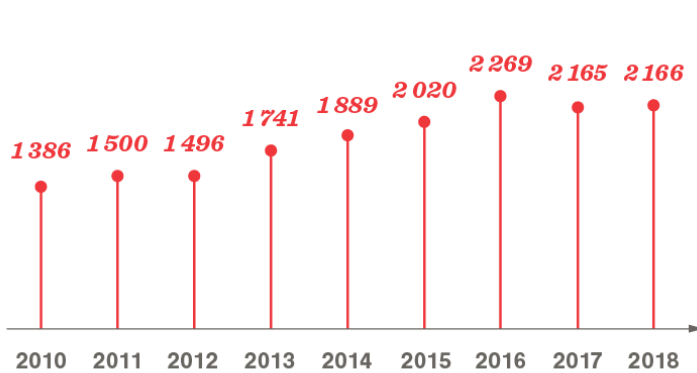
Research

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

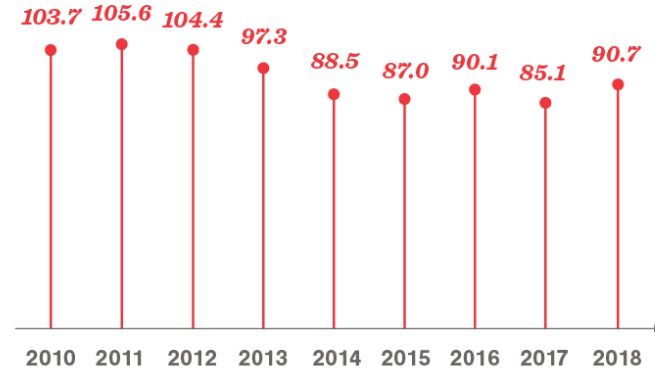
Competitive research funding obtained by the university has risen from last year.



Scientific articles and research funding



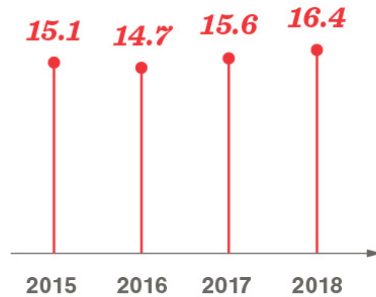
**International peer-reviewed articles
in scientific journals**



Competitive research funding (€ million)

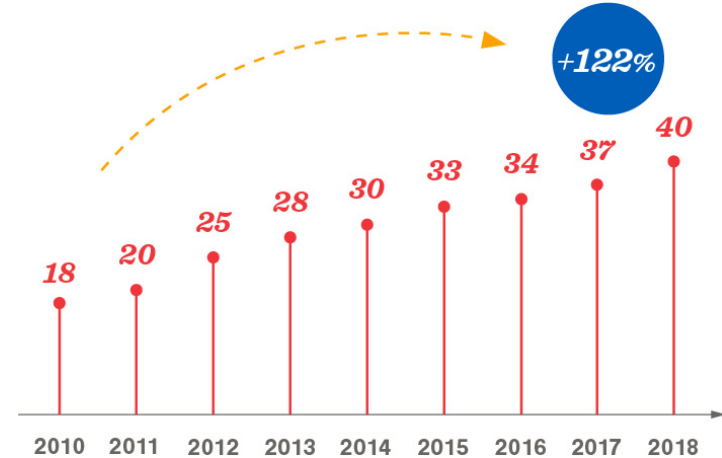
The number includes e.g. research funding from the Academy of Finland, Business Finland and companies, as well as competitive EU funding.

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
Recipients of European Research Council (ERC) funding	6	6	10	13	16	17	21	26	26
Academy of Finland Centres of Excellence	9	9	7	7	7	7	7	7	6
Academy of Finland Academy Professors	6	5	7	7	7	6	7	5	5
Academy of Finland Research Fellows	39	38	37	34	36	34	38	40	41
FiDiPro Professors and Researchers*	15	16	15	14	13	14	12	9	7

* The FiDiPro funding programme has been ended.

Professors

	2010	2011	2012	2013	2014	2015	2016	2017	2018
All professors	230	239	293	329	369	388	386	386	389
International	4%	6%	12%	15%	17%	18%	20%	22%	24%
Women	10%	11%	13%	16%	17%	20%	19%	20%	20%
Average age	55	54	52	51	50	50	50	51	49

New professors*	0	18	83	131	185	216	228	243	268
International	--	28%	29%	31%	29%	28%	30%	31%	33%
Women	--	17%	19%	23%	24%	27%	25%	26%	26%
Average age	--	41	43	43	44	44	44	45	45

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

69% of all professors in 2018 are recruited after 2010.

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

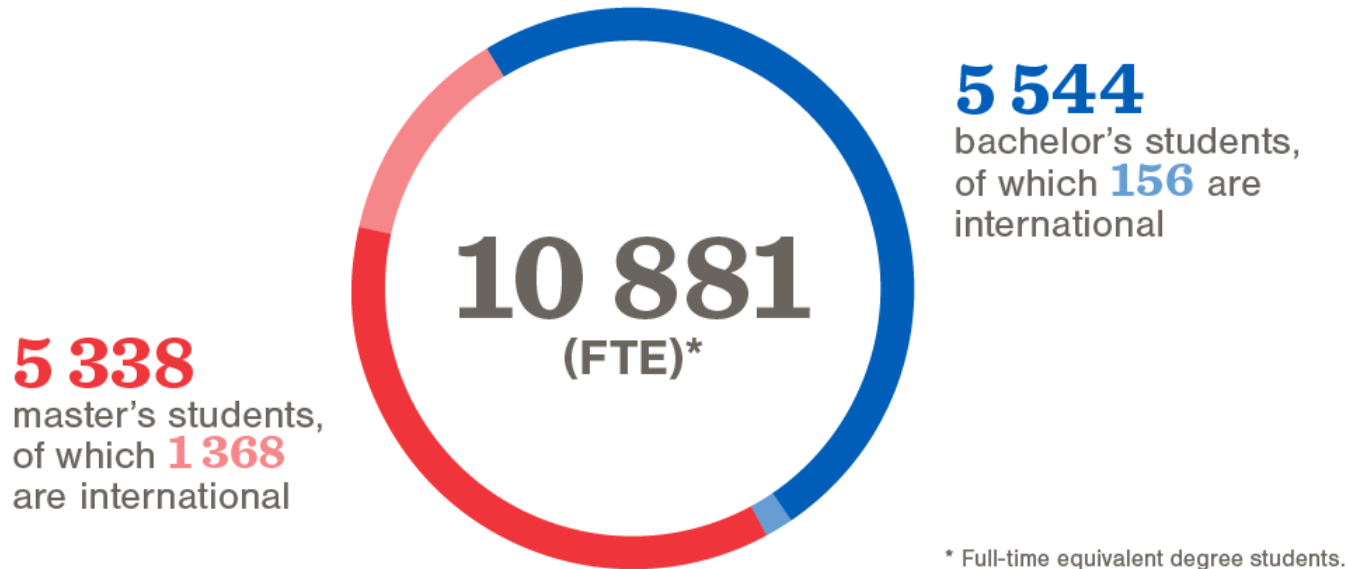
Education

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

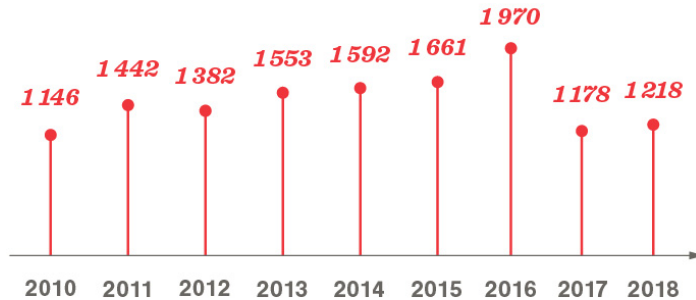
The number of doctorates has increased by 43% compared to 2010.



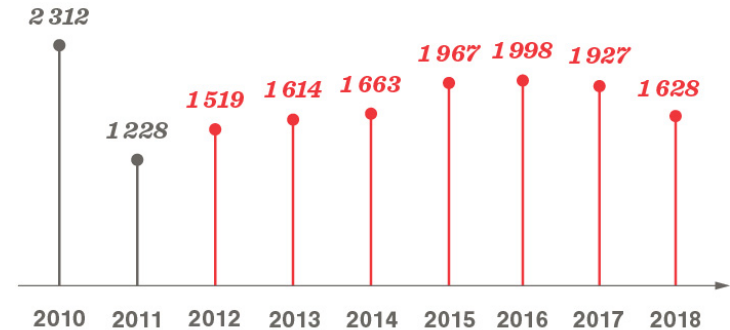
Bachelor's and master's degree students 2018



Bachelor's and master's degrees



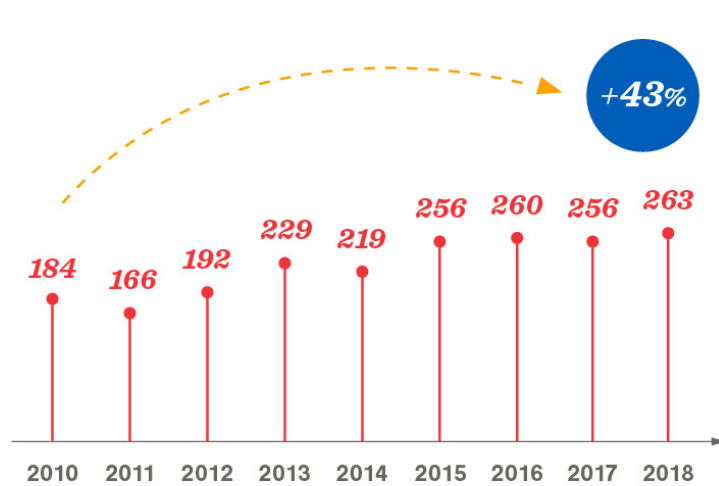
Bachelor's degrees



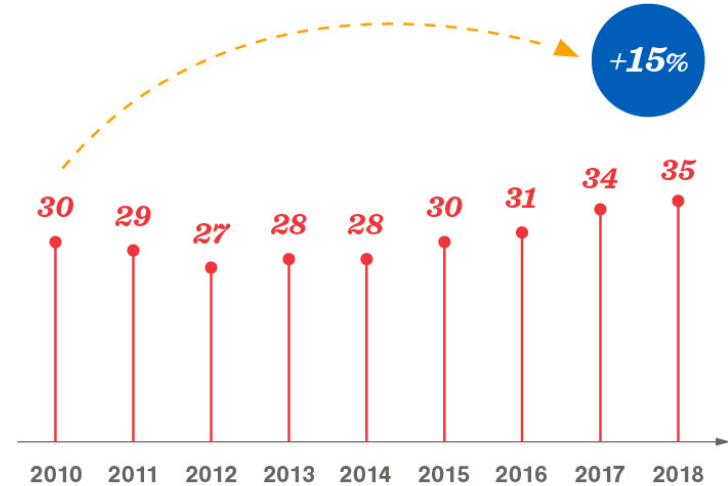
Master's degrees

The number of master's degrees was exceptionally large in 2010 and small in 2011 due to degree reform in the field of science and technology.

Doctoral degrees and students with 55 credits



Doctoral degrees



Students with a minimum of 55 ECTS credits per year (%)

Art and creative practices

International prominence in the fields of art, design and architecture continued, with the university receiving a number of awards and recognitions.

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 worldwide.

25 university-wide art courses

A total of 283 participants from all Aalto schools attended the UWAS courses.

Visibility in important events

Paris Photo, Pitti Uomo, Ars Electronica, Milan Furniture Fair, Venice Architecture Biennale, Chart Copenhagen, Toronto Film Festival.

Significant awards

Apple Design Award, Finlandia Prize for Architecture, Venla and Jussi Awards, Red Dot, Designer's Nest, Hyères.

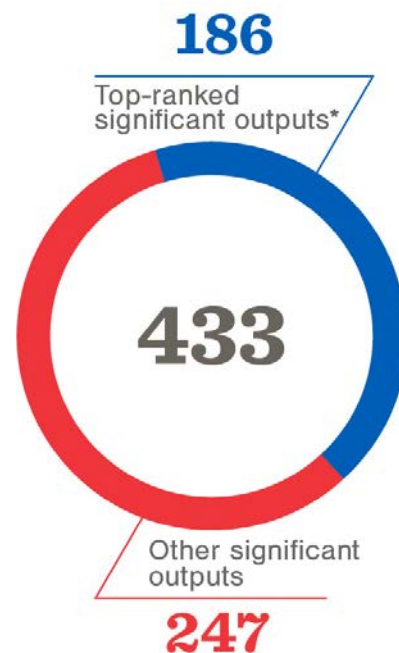
Fashion Programme at 5th place

The Business of Fashion ranked Aalto's Fashion Programme as 5th globally.

Jenni Haukio's gown

Students designed the gown made of birch-based fabric for Jenni Haukio, spouse of Finnish President, to the Independence Day reception.

Significant artistic outputs 2018



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

Rankings

Aalto University places high in rankings specific to science, technology, art and business.

In 2018, QS placed Aalto in 9th place in the world among universities founded less than 50 years ago.



Rankings in key research areas

ICT and digitalisation

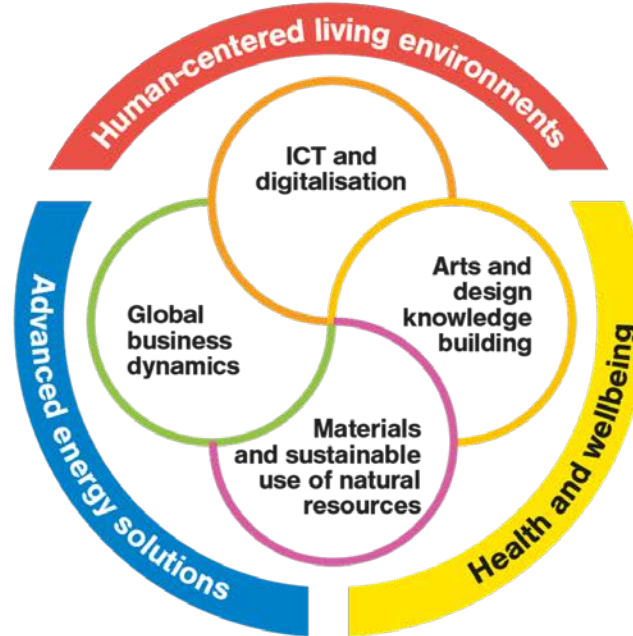
ShanghaiRanking: Telecommunication Engineering 28 (2017: 31)
US News: Computer Science 43 (2017: 47)

Global business dynamics

ShanghaiRanking: Management 36 (2017: 49)
Business Administration 34 (2017: 51–75)

Advanced energy solutions

ShanghaiRanking: Electrical & Electronic Engineering 51–75 (2017: 76–100)



Human-centred living environments

QS: Architecture/Built Environment 42 (2018: 46)

Arts and design knowledge building

QS: Art & Design 7 (2018: 9)

Health and wellbeing

ShanghaiRanking: Medical Technology 101–150 (2017: 101–150)

Materials and sustainable use of natural resources

ShanghaiRanking: Mining and Mineral Engineering 51–75 (2017: 46)

Campus

The long-term campus development programme continued. Three new buildings were completed: Väre, School of Business and A Bloc shopping centre.



Developing campus



2018

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



2019

School of Business building opens. Töölö building and the old shopping centre renovations begin.



2020

New student housing and office buildings. Campus green areas improvement begins.



**2021
–
2022**

Development of other core university buildings. Student Life Centre construction.



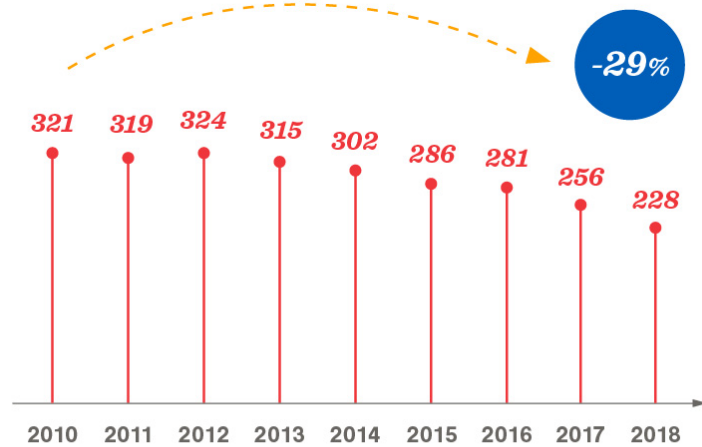
**2023
–
2035**

Development of other university buildings and new residential buildings.

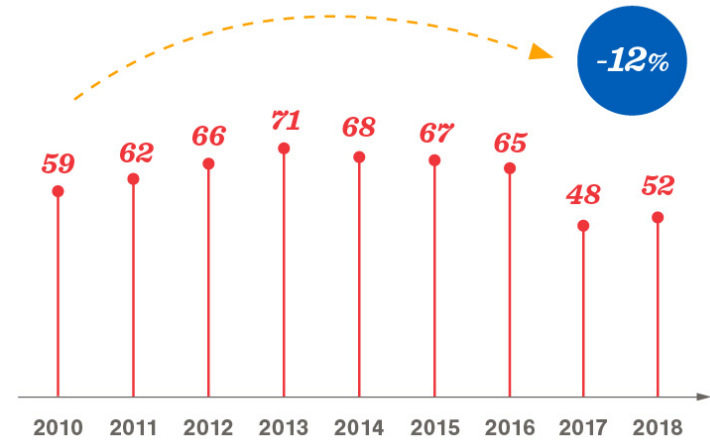


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Campus spaces and costs



Facility usage (1 000 sqm)



Facility costs (€ million)

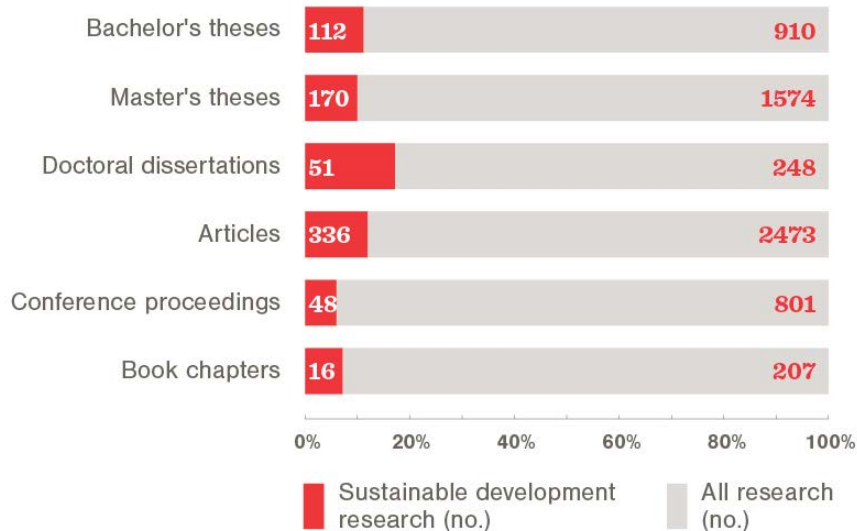
Sustainability

The viewpoints of sustainable development and responsibility are taken into account in teaching, research and other operations.



Publications related to sustainability 2018

Number and share of all publications



Sustainable development was the topic of 12% of all publications at Aalto in 2018.

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

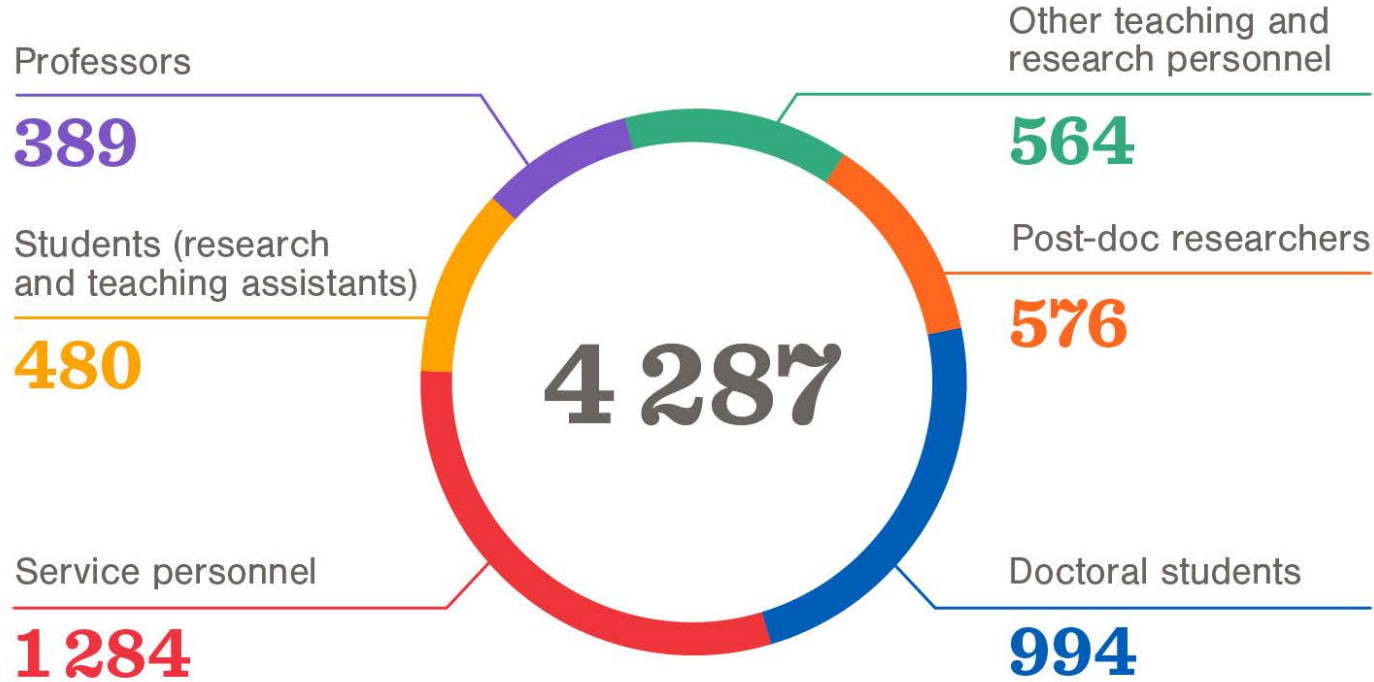
Personnel

40%

of the academic faculty
is international.

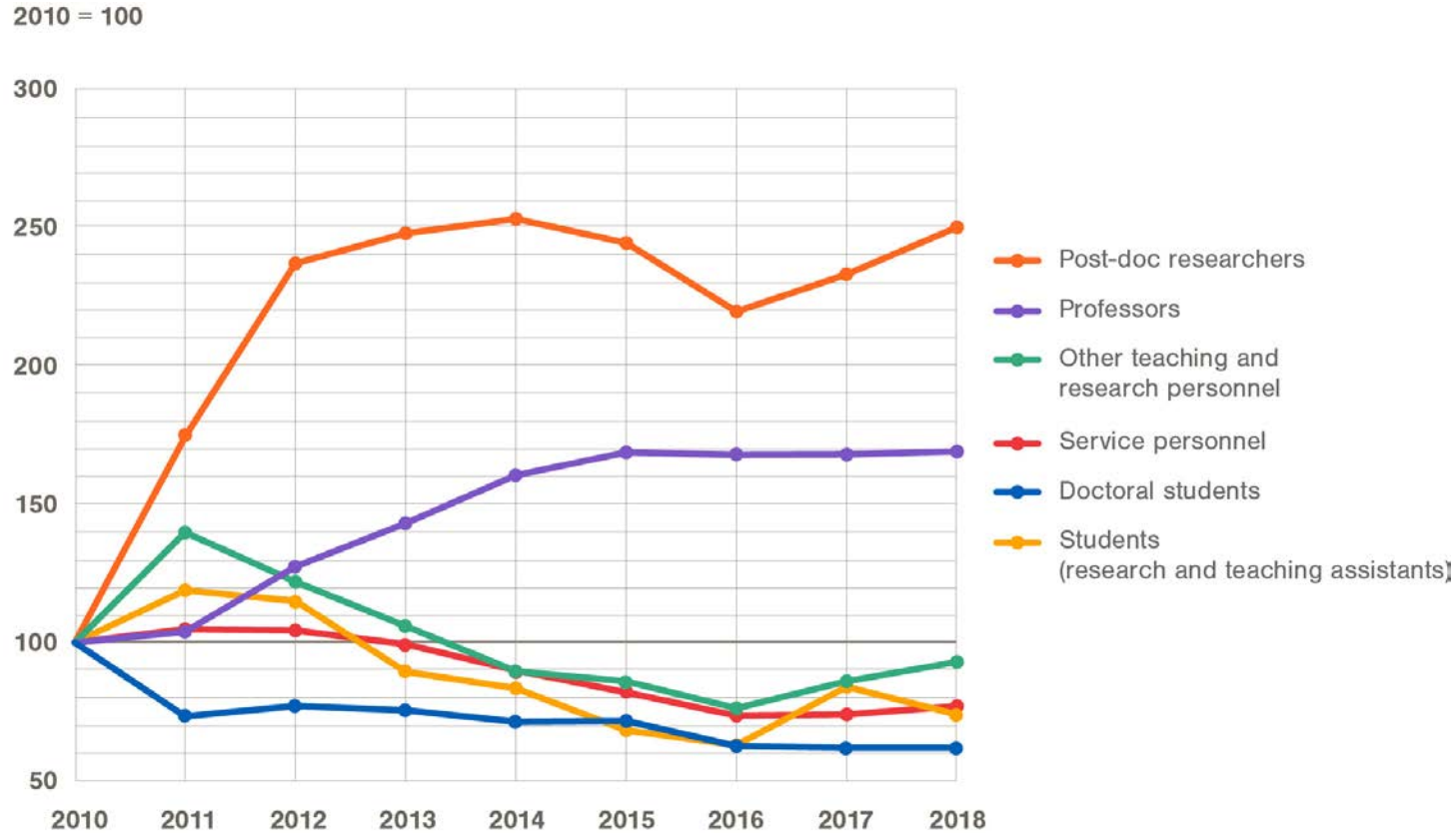


Personnel



The number of full-time equivalent personnel was 4 052.

Personnel structure 2010–2018



Finance

The pro forma operative income totalled €347 million.

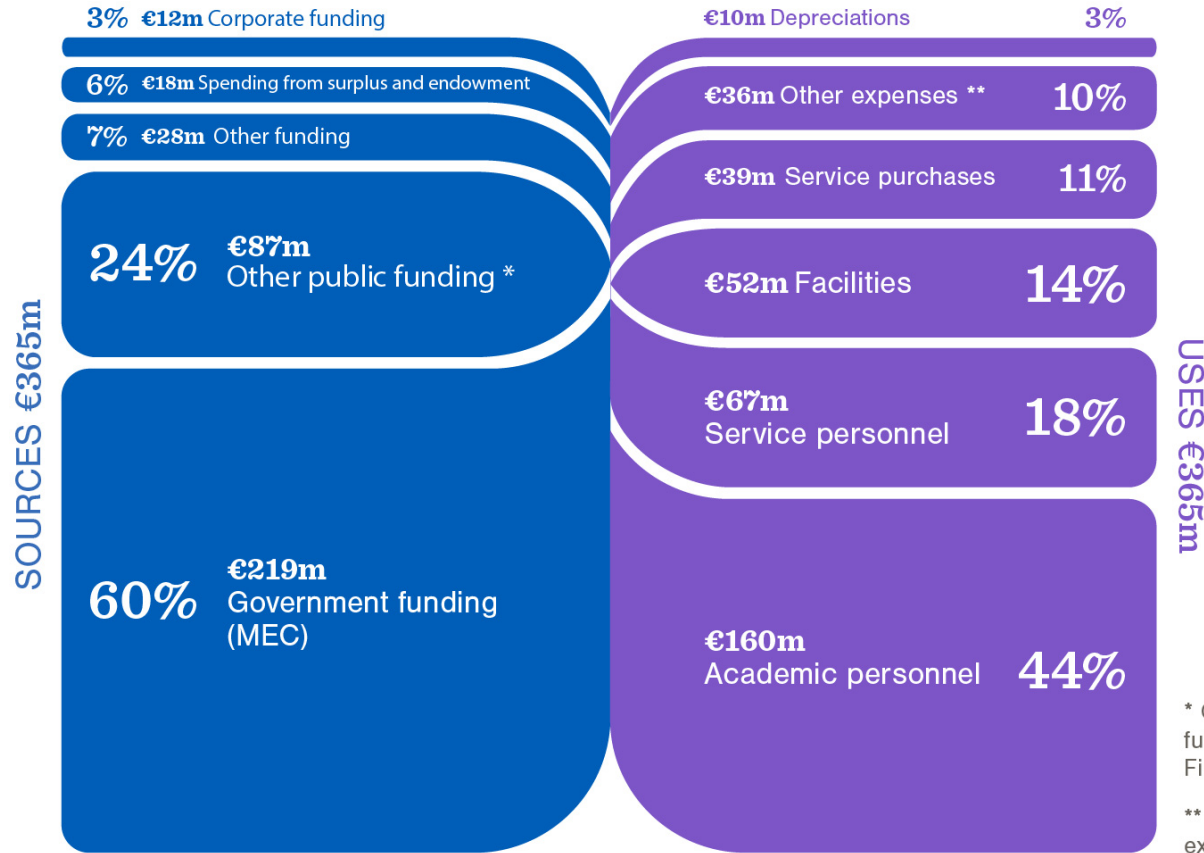
The main sources of income were government funding and project grants.



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Sources and uses of funds 2018

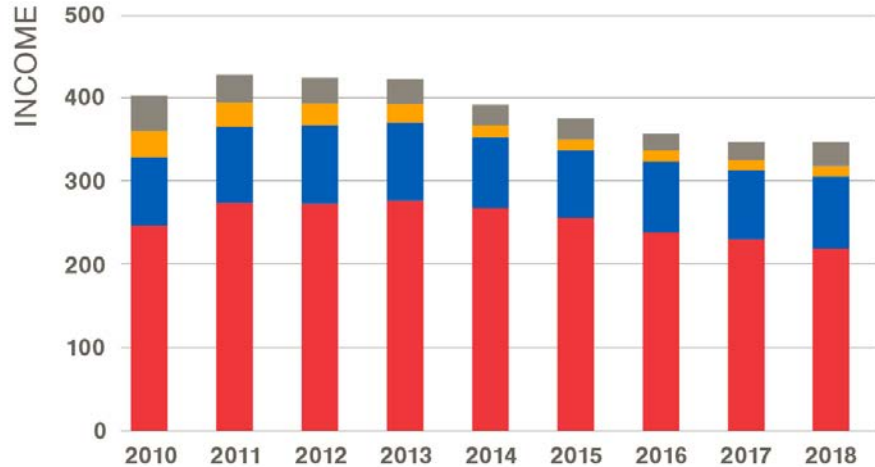


* Other public funding consists of funding from the Academy of Finland, Business Finland and EU.

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

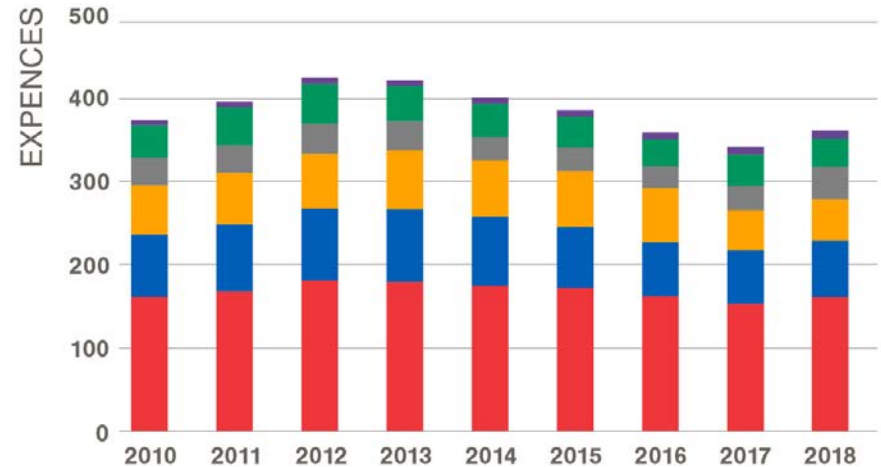
Income and expenses 2010–2018

€ million



- Government funding
- Other public funding*
- Corporate funding
- Other funding

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



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

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



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