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# Aalto University in 2023

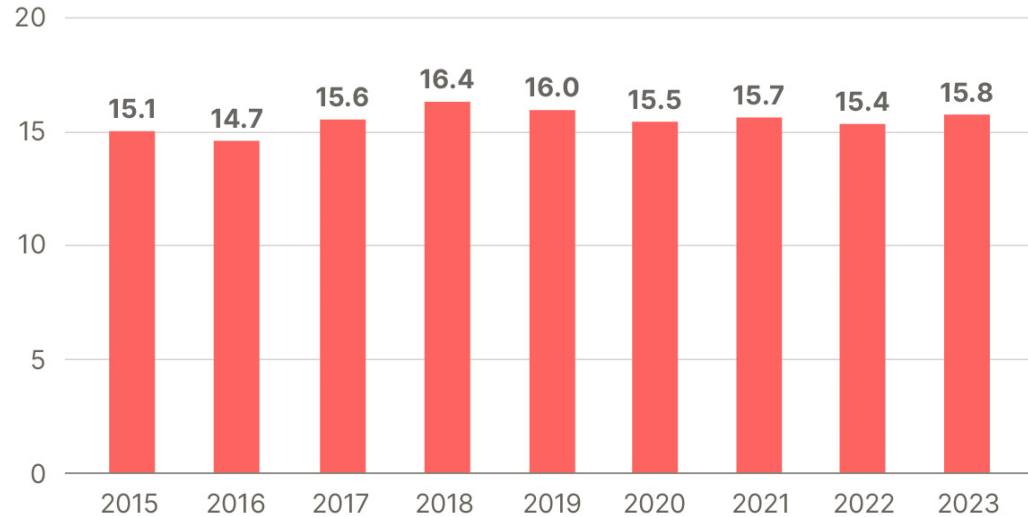
# Research

**The quality of research developed positively and the impact of the university's publication activities is high**

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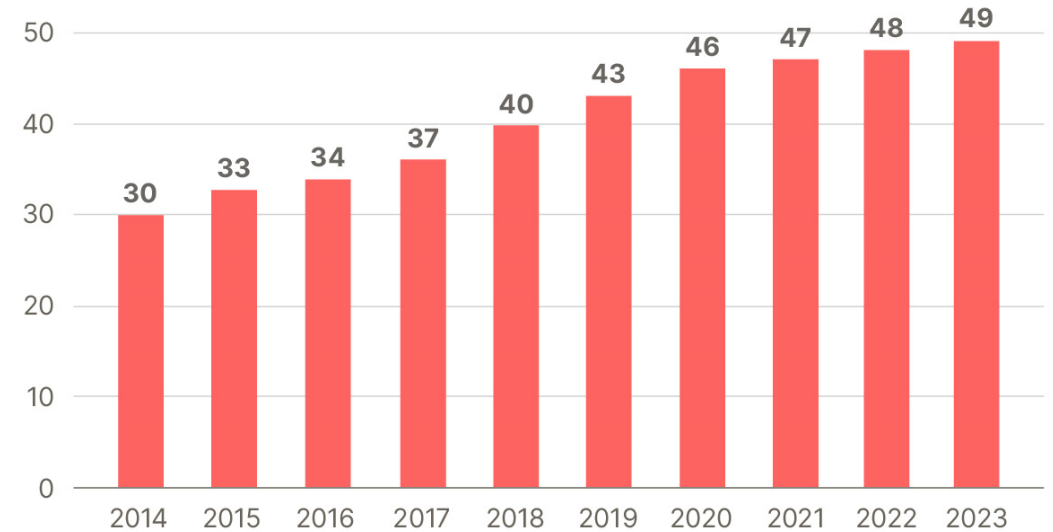


# Quality of publications and international faculty



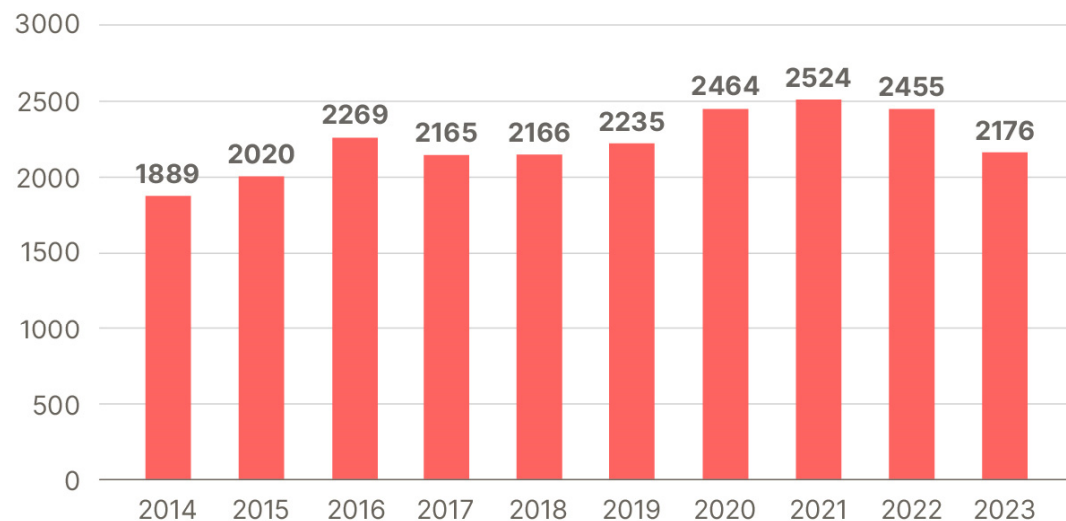
## Quality of publications

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.



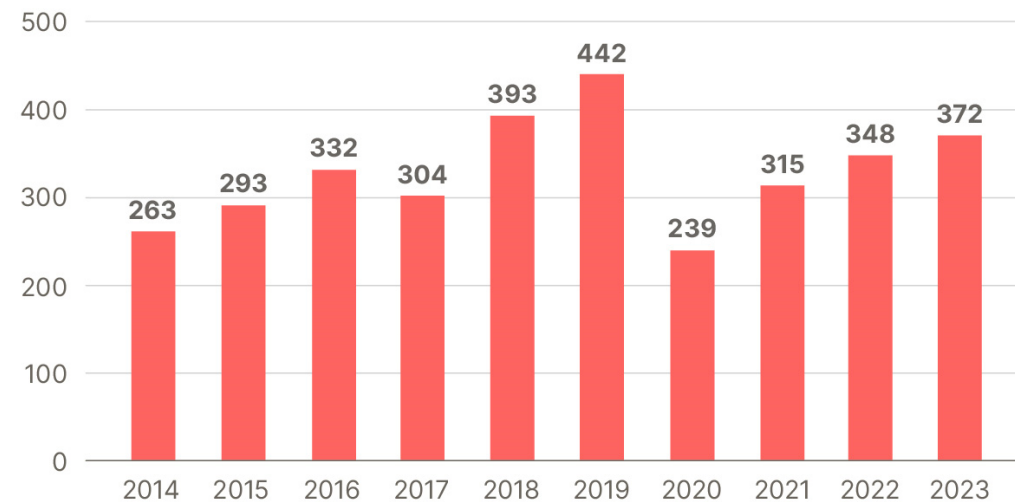
## International academic faculty (%)

# Scientific articles and artistic outputs



## International peer-reviewed articles in scientific journals

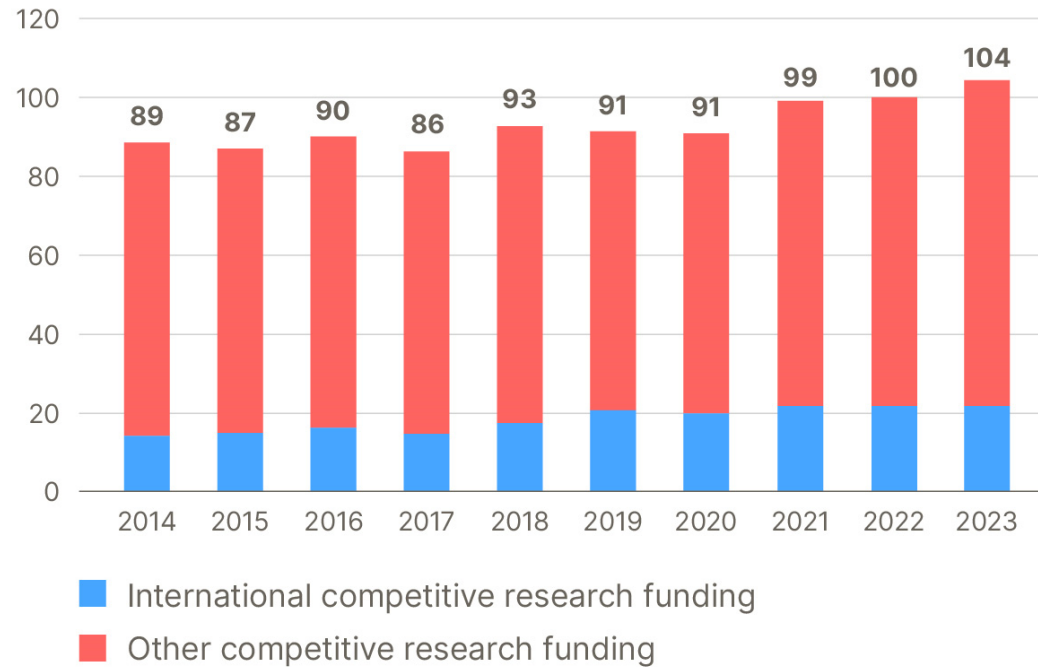
The figure for 2023 is as of 7 Feb 2024



## Artistic outputs

Includes artistic publications, exhibitions and performances.  
The figure for 2023 is as of 7 Feb 2024.

# Research funding



## Competitive research funding (€ million)

International funding includes competitive EU funding and funding from foreign funds and foundations. Other funding includes funding from the Research Council of Finland, Business Finland and companies.

# Excellence in research

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Recipients of European Research Council (ERC) funding	16	17	21	26	26	24	27	28	27	22
Research Council of Finland Centres of Excellence	7	7	7	7	6	6	3	3	7	7
Research Council of Finland Flagships	-	-	-	-	-	3	4	4	4	8
Research Council of Finland Academy Professors	7	6	7	5	5	5	4	2	1	1
Research Council of Finland Research Fellows	36	34	38	40	41	44	44	49	48	57

# Professors

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Professors</b>	369	388	386	386	389	390	393	395	404	<b>413</b>
International	17%	18%	20%	22%	24%	24%	26%	27%	27%	<b>28%</b>
Women	17%	20%	19%	20%	20%	21%	20%	22%	24%	<b>24%</b>

**A!**

# Rankings in key research areas

## Human-centred living environments

**QS:** Architecture & built environment 48 (2022: 42)

**ShanghaiRanking:**

Marine/Ocean engineering 19 (2022: 21)

Civil engineering 101-150 (2022: 201-300)

## Health and wellbeing

**European EngiRank:**

Medical engineering 7 (2022: n/a)

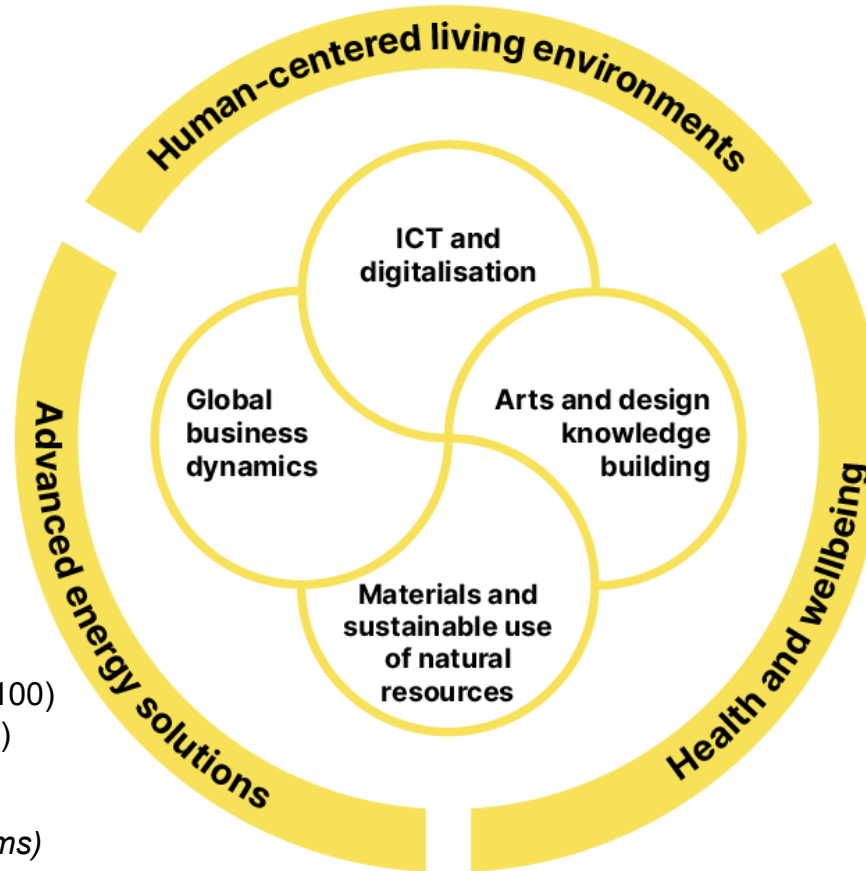
## Advanced energy solutions

**ShanghaiRanking:**

Electrical & electronic engineering 76-100 (2022: 76-100)

**QS:** Electrical & electronic engineering 104 (2022: 97)

*EngiRank (European Ranking of Engineering Programs) evaluates universities in the EU. All the other rankings compare universities globally.*



## ICT and digitalisation

**ShanghaiRanking:**

Telecommunication engineering 51-75 (2022: 40)

**QS:** Computer science & information systems 84 (2022: 84)

**THE:** Computer science 86 (2022: 73)

## Arts and design knowledge building

**QS:** Art & design 6 (2022: 6)

## Materials and sustainable use of natural resources

**QS:** Materials sciences 80 (2022: 95)

**ShanghaiRanking:**

Textile science and engineering 41 (2022: n/a)

## Global business dynamics

**THE:** Business and economics 84 (2022: 86)

**QS:** Business and management studies 76 (2022: 74)

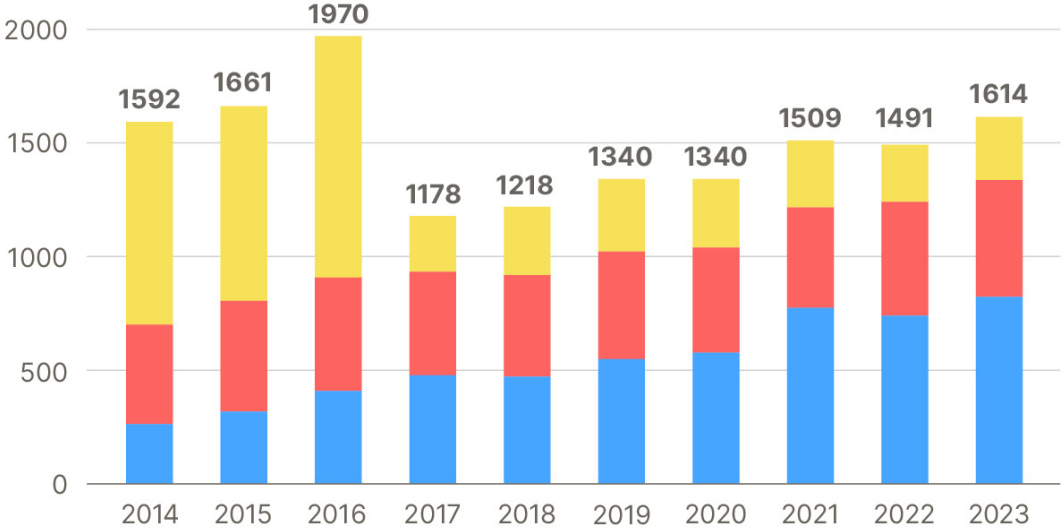


# Education

**We work to meet future skills needs by providing pioneering education, which also opens up a broad range of opportunities for lifewide learning**

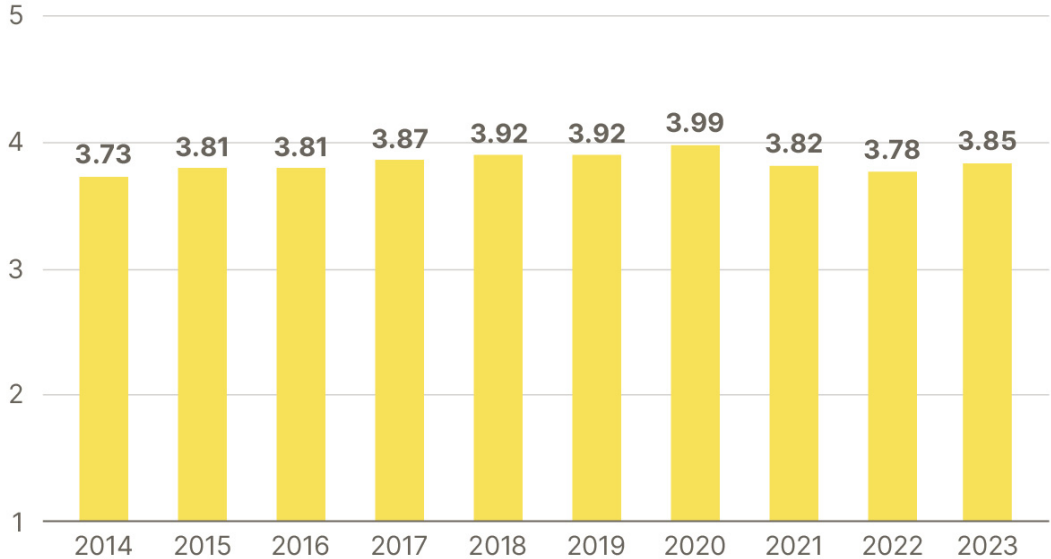


# Bachelor's degrees and bachelor's survey



- Degree completed in target time (3 years)
- Degree completed in max 1 year over target time
- Degree completed in more than 1 year over target time

## Bachelor's degrees

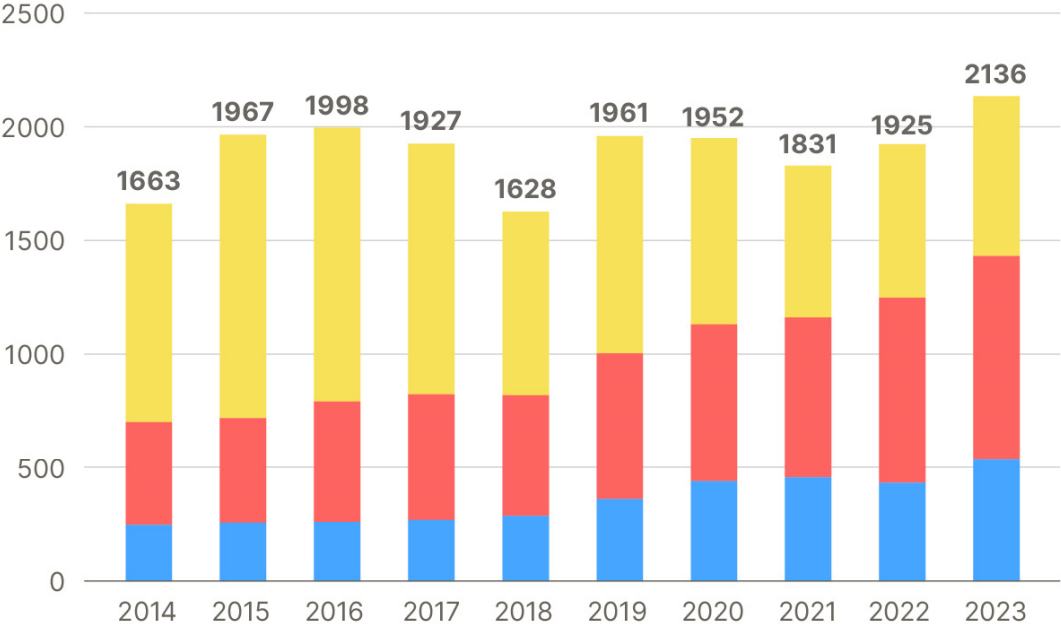


## Bachelor's graduate survey

Average score given by Aalto University bachelor's graduates in the national feedback survey on a scale of 1 to 5.

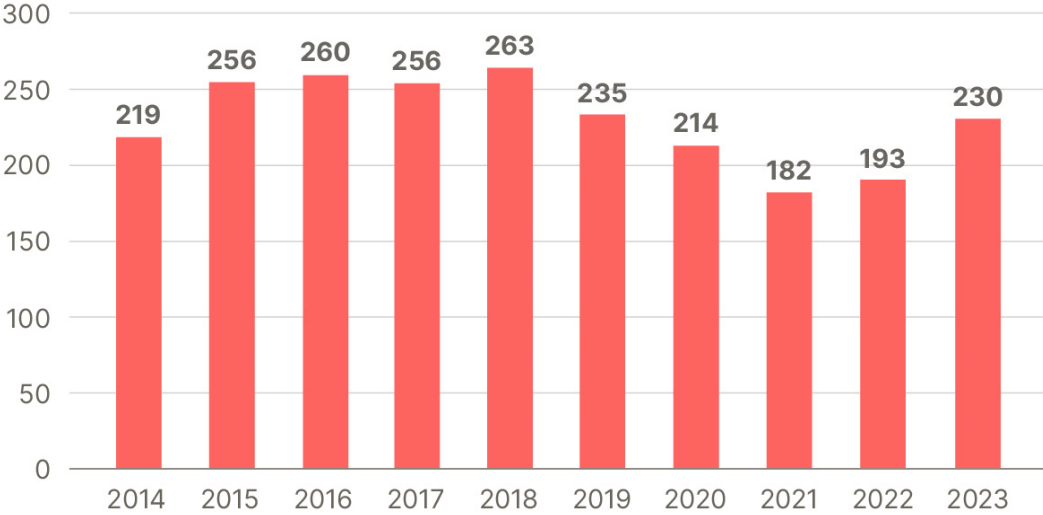


# Master's degrees and doctoral degrees



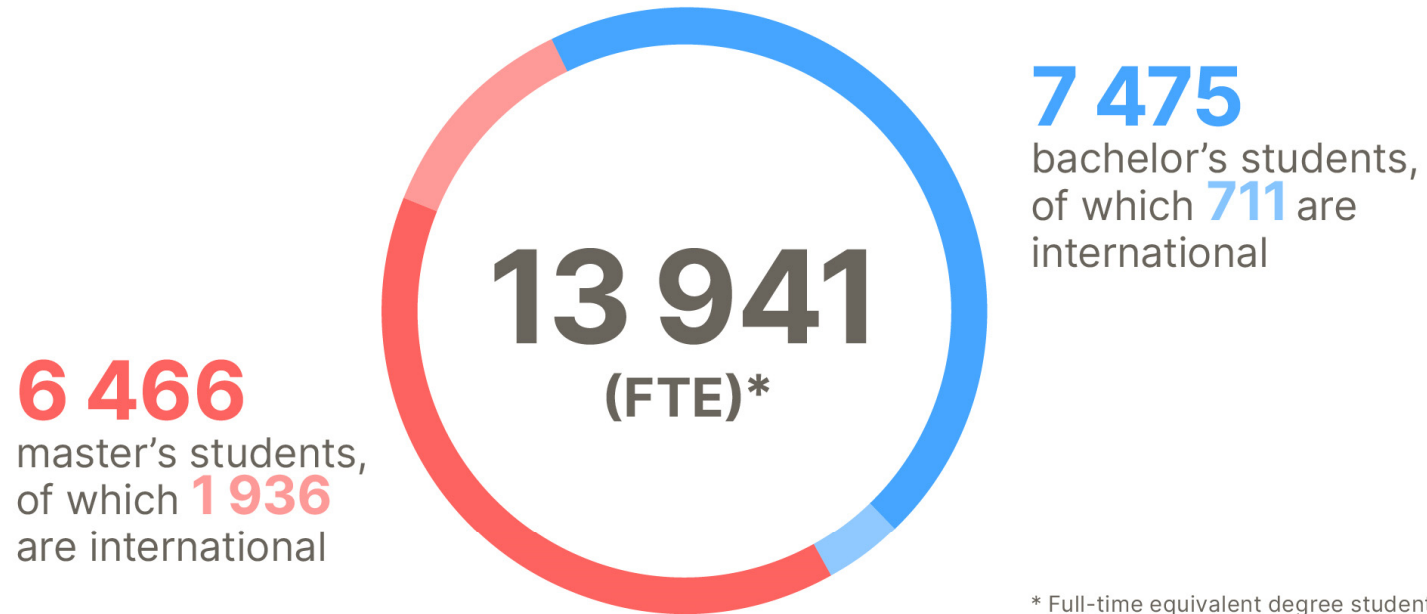
- Degree completed in target time (2 or 5 years)
- Degree completed in max 1 year over target time
- Degree completed in more than 1 year over target time

Master's degrees



Doctoral degrees

# Master's and bachelor's degree students



Basic degree students 2023

\* Full-time equivalent degree students.

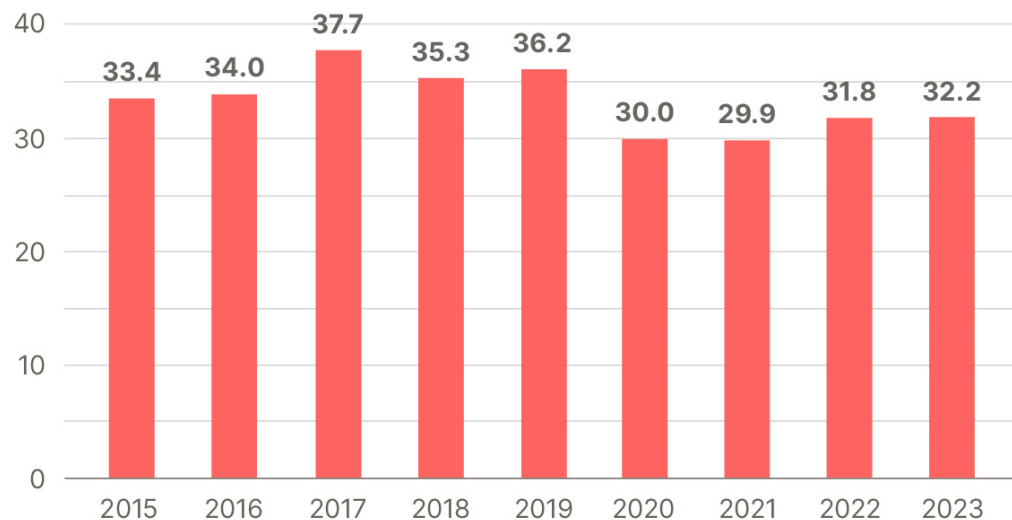
# Impact

**Our world-class innovation ecosystem is characterised by a multidisciplinary approach, collaboration, openness, startup entrepreneurship, and a wide range of student activities.**

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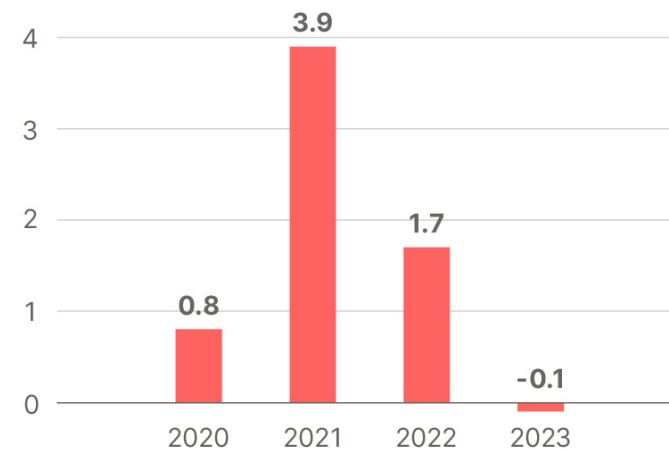


# Corporate collaboration and technology transfers



## Corporate collaboration volume (€ million)

The total amount of corporate income in Aalto University Group. The figure excludes all IPR commercialisation income. The indicator has been calculated since 2015.



## IP portfolio return, net of fees (€ million)

Includes income relating to IPR and technology transfers and changes in fair value. IP portfolio's costs are deducted from the income.

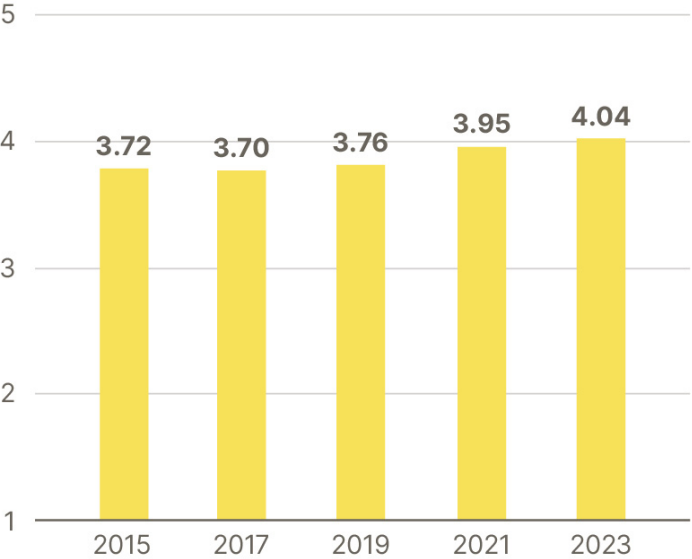
# Enabling our success

**Equality, diversity and inclusion support the wellbeing and creativity of the community and its ability to promote world-class research, education and impact.**

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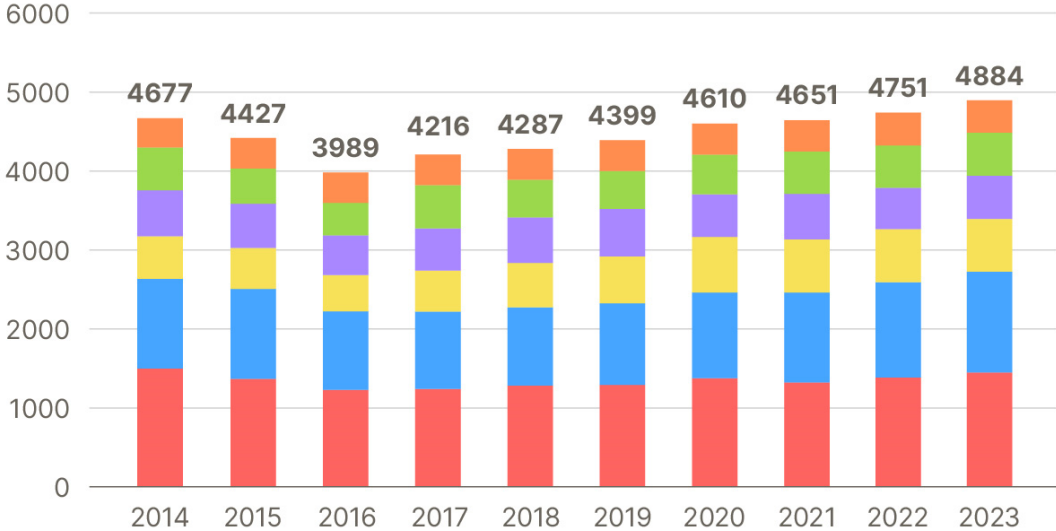


# Personnel wellbeing and personnel structure



### Personnel wellbeing survey

Average of all answers received in the survey on a scale of 1 to 5. The survey is carried out every two years.

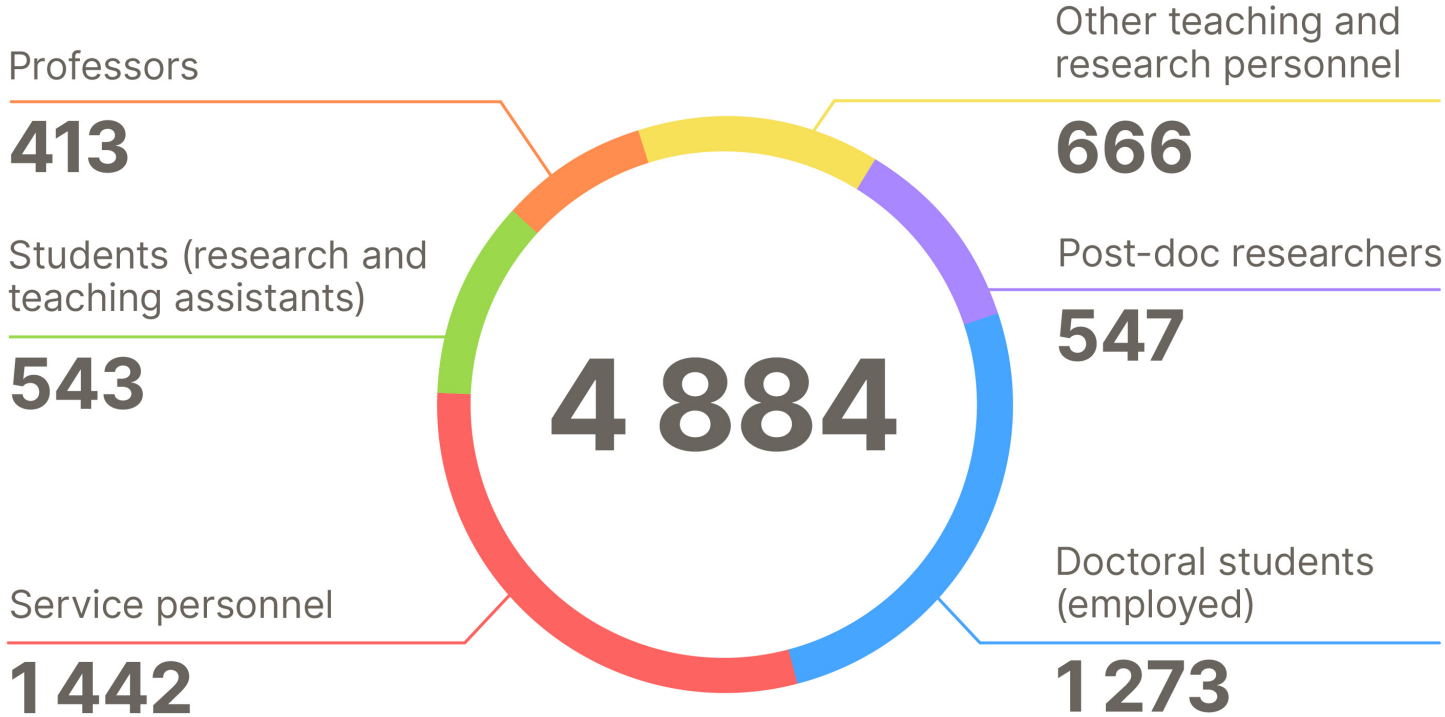


- Service personnel
  - Doctoral students (employed)
  - Other teaching and research personnel
- Post-doc researchers
  - Students (research and teaching assistants)
  - Professors

### Personnel structure development

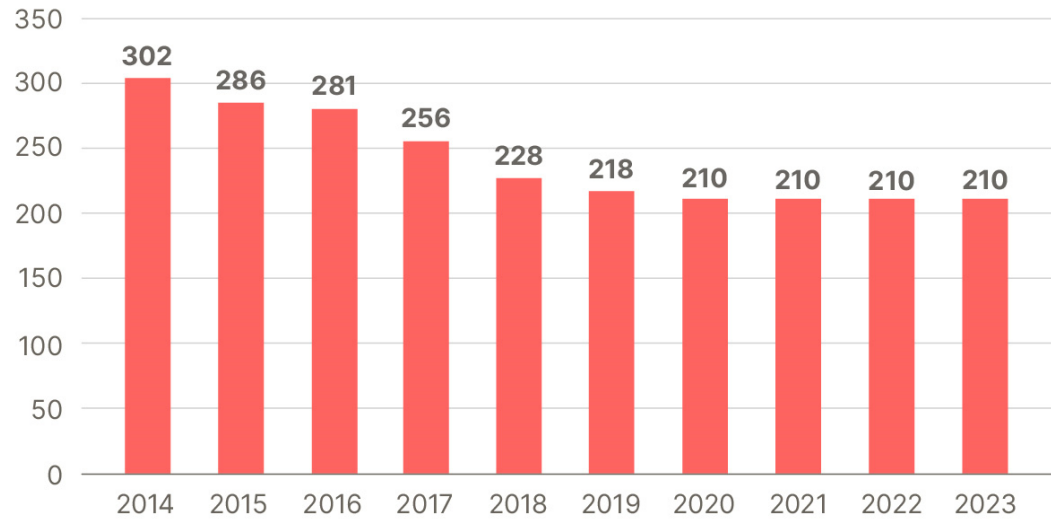


# Personnel

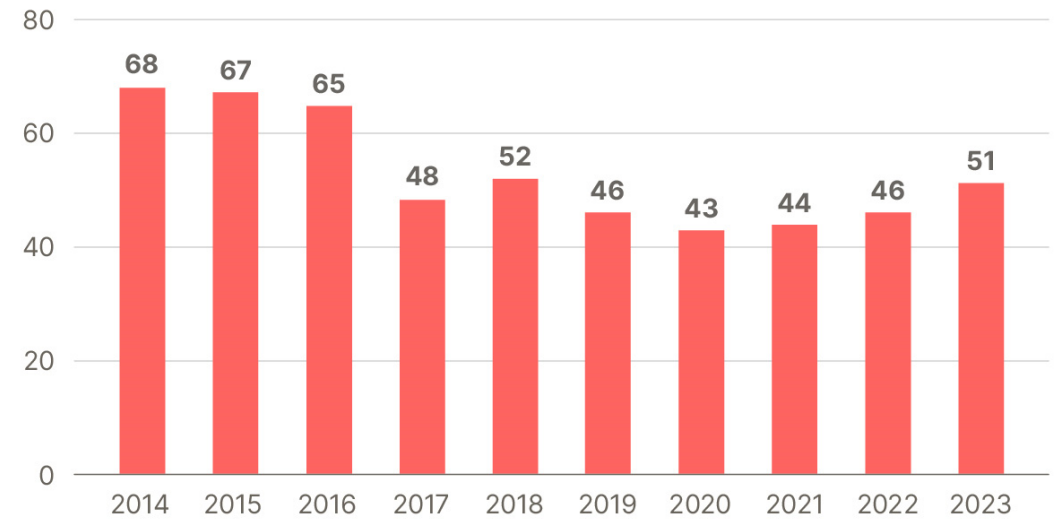


Number of personnel (31 Dec 2023)

# Facility usage and costs



Facility usage (1 000 sqm<sup>2</sup>)

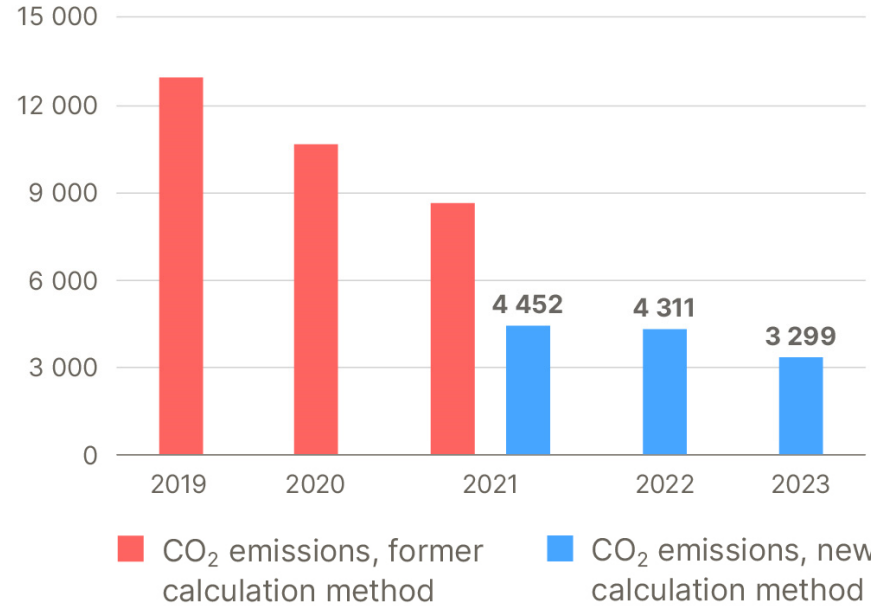


Facility costs (€ million)

# Carbon dioxide emissions



**Total CO<sub>2</sub> emissions 2023**



**CO<sub>2</sub> emissions from buildings (tCO<sub>2</sub>e)**

Amount of CO<sub>2</sub> emissions from energy consumption in university buildings. As of 2021, this indicator is calculated in a new way using the benefit sharing calculation method in regard to the consumed district heating.

# Developing campus



## 2018–2020

School of Arts, Design and Architecture and School of Business moved to Otaniemi. Väre building, shopping centre A Bloc, School of Business building and startup hub A Grid opened. Aalto University Töölö and Aalto Works phases K1 and K2 renovations completed. Espoo's first low heating network completed in Otaniemi.



## 2021–2023

Campus outdoor areas improved. Aalto Works phase K3, Kide, a multi-storey car park, shopping centre A Blanc renovation and Space 21 completed. New buildings connected to the low heating network. Several outdoor art pieces installed. The development of the Biologist and Marine Technology blocks began. Virtual campus tours launched. Light Rail line 15 started operating.



## 2024

Marsio building to be completed. Otakaari 5L light renovation completed. New buildings connected in the low heating network. Development of Aalto Space mobile application continues. New campus art.



## 2025–2026

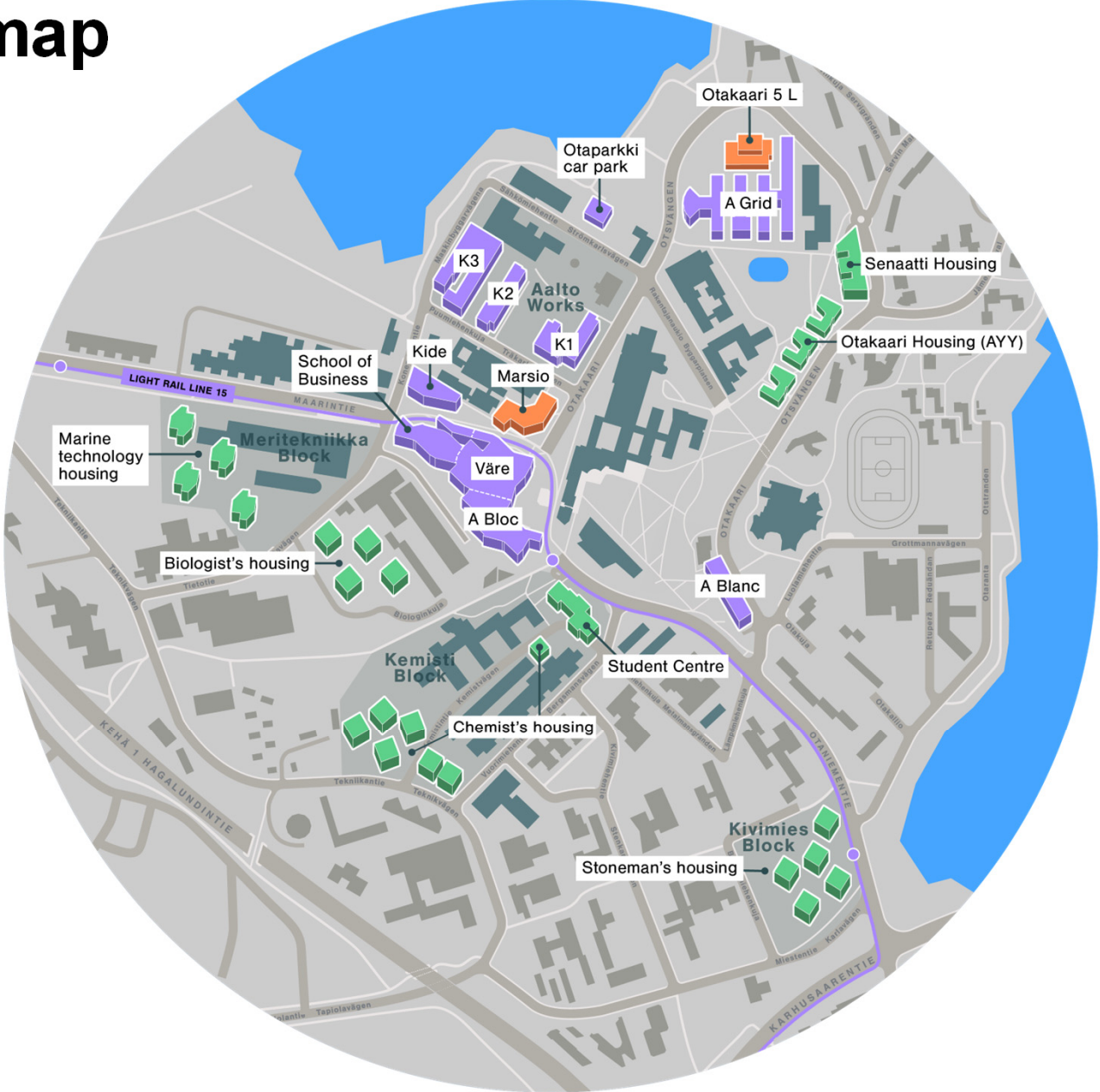
The development of Chemist's and Stoneman's block completed. New student centre completed. New buildings connected in the low heating network. Outdoor areas improvement continued. New residential buildings, student housing and services in the area.



## 2027–2035

The development of Biologist's and Marine Technology blocks completed. New office and residential buildings and services in the area. More new student housing. Aiming towards carbon neutral Aalto 2030.

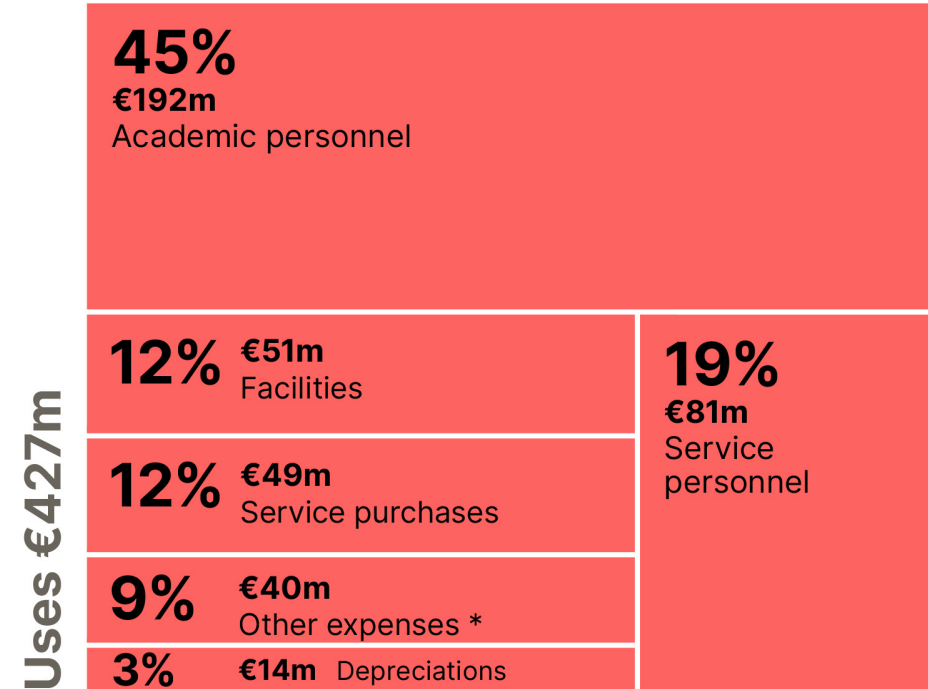
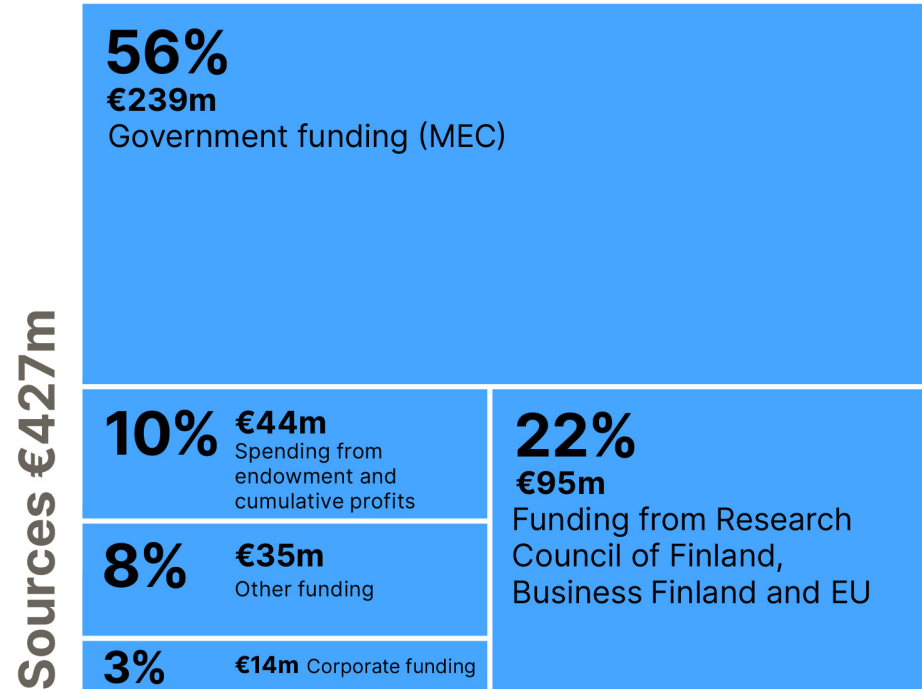
# Campus roadmap



## Aalto University campus in Otaniemi

- 2018-2023
- 2024
- 2025-2035

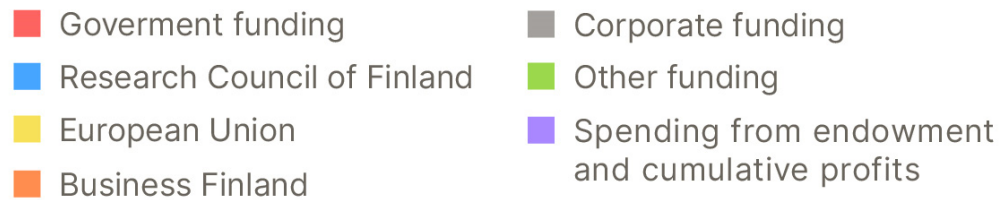
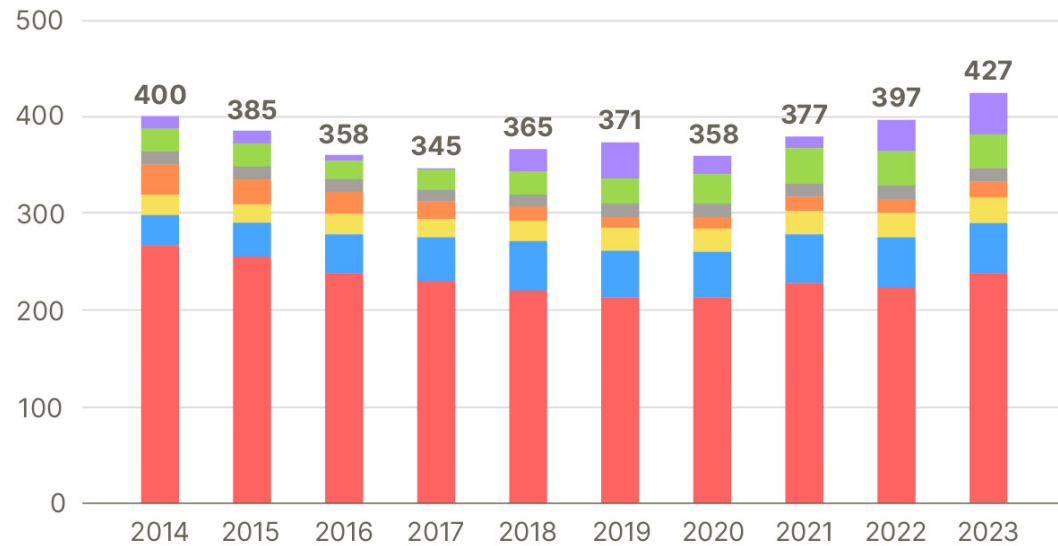
# Sources and uses of funding



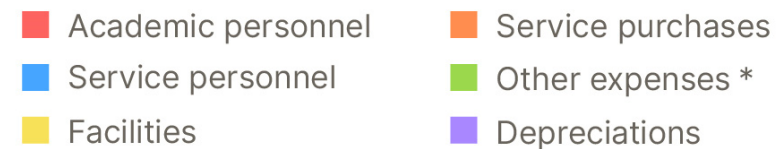
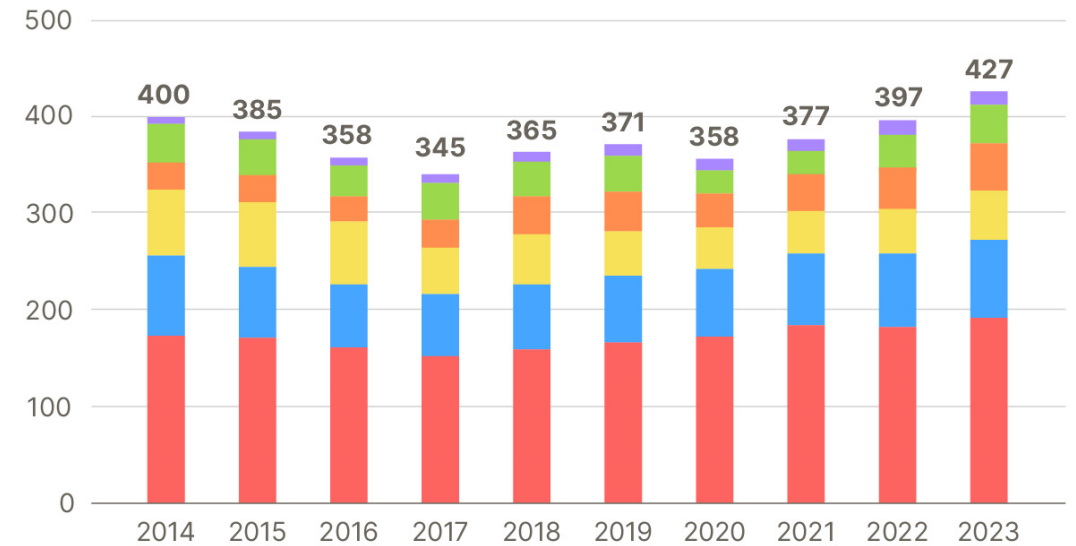
\* Consists of e.g. travel expenses, materials and supplies.

## Sources and uses of funds 2023

# Sources of funding and uses of funding



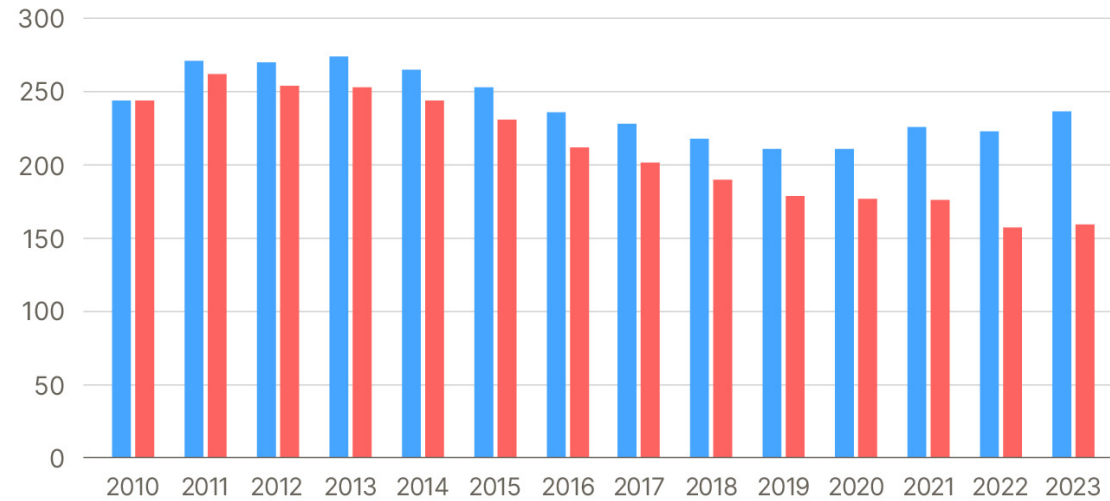
Sources of funding (€ million)



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

Uses of funding (€ million)

# Government funding



■ Government funding from the Ministry of Education and Culture (MEC)

■ Inflation-adjusted\* government funding

\* Finnish university inflation index comprising of 64% of Finland's wage and salary earnings index, 21% of Finland's consumer price index and 15% of Finland's producer price index.

**Government funding from MEC (€ million)**



# Group financial key figures, € million

## Profit and loss

	2022	2023
<b>Turnover</b>	<b>383</b>	<b>403</b>
Expenses	418	<b>440</b>
<b>Operating profit/loss</b>	<b>-35</b>	<b>-37</b>
Fundraising profit/loss	10	<b>4</b>
Endowment profit/loss	-42	<b>102</b>
Financing profit/loss	9	<b>-17</b>
<b>Net Profit/loss</b>	<b>-67</b>	<b>49</b>
<i>Net profit-%</i>	<i>-18%</i>	<i>12%</i>

## Balance sheet

	2022	2023
<b>Noncurrent assets</b>	1852	<b>1959</b>
Intangible assets	2	<b>2</b>
Tangible assets	575	<b>594</b>
Investments	1275	<b>1362</b>
<b>Current assets</b>	184	<b>121</b>
<b>Total</b>	<b>2036</b>	<b>2080</b>
Equity	1558	<b>1609</b>
<b>Liabilities</b>	<b>478</b>	<b>471</b>
Interest bearing liabilities	321	<b>306</b>
Non-interest bearing liabilities	157	<b>165</b>
<b>Total</b>	2036	<b>2080</b>
<i>Equity ratio</i>	<i>77%</i>	<i>77%</i>