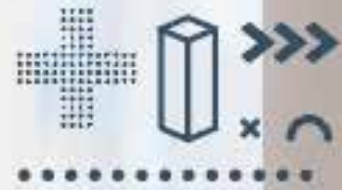


The logo for TEK, featuring the letters 'TEK' in a stylized, bold, blue font. The 'T' and 'E' are connected, and the 'K' is separate.

Me tekmitkan takana



TEK Graduate Survey 2022

Results





TEK Graduate Survey 2022

Results

TEK Graduate Survey 2022

Results

Tek Graduate Survey 2022

Academic Engineers and Architects in Finland TEK and Finnish universities in technology together carry out a yearly feedback survey for graduated academic engineers and architects.

The feedback and results are utilized in developing university education and influencing the educational policy making.

TEK is responsible of accomplishing the survey and the universities are responsible of reaching their new graduates.

The survey is directed by a Directory Board having a representative from every participating university.

More information, results and resources:

www.tek.fi/graduate-survey

Contact:

Arttu Piri, Analyst, TEK: arttu.piri@tek.fi

Participating universities and schools

UNIVERSITIES AND SCHOOLS

Aalto University

School of Chemical Engineering

School of Electrical Engineering

School of Engineering

School of Science

School of Arts, Design and Architecture

1. Tampere University

2. LUT University

3. University of Oulu

4. University of Turku

5. Åbo Akademi University

6. University of Vaasa

ABBREVIATION

Aalto ALL

Aalto CHEM

Aalto ELEC

Aalto ENG

Aalto SCI

Aalto ARTS

TAU

LUT

UO

UTU

ÅAU

UV

LOCAL CONTACT

Anja Hänninen

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Mari Martinmaa

Päivi Koivunen

Sari Tarvainen

Hanna-Leena Hietaranta-Luoma

Annikka Nurkka

Reijo Saari

Riikka Matikainen

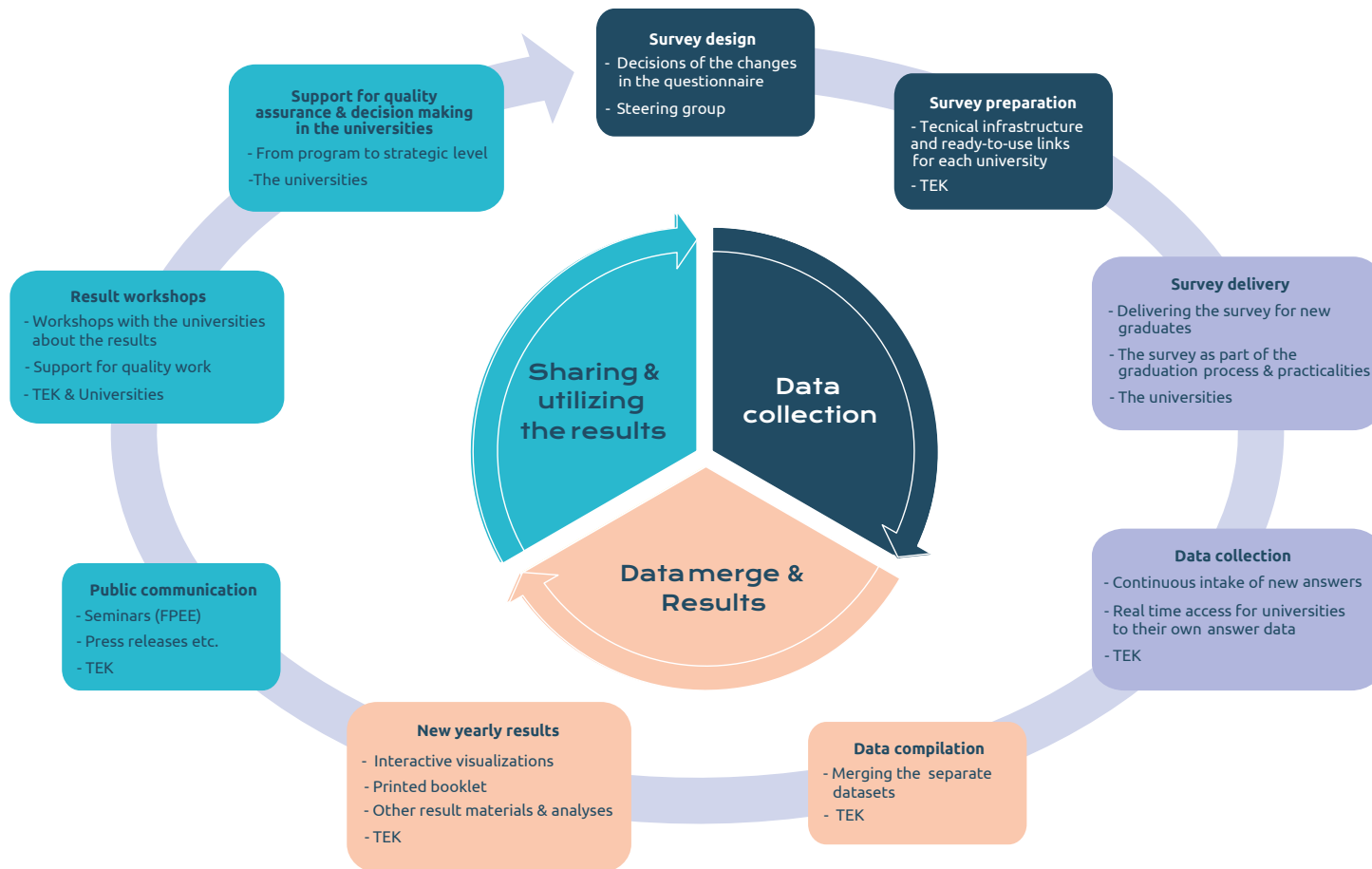
Kerstin Fagerström

Kati Kangasniemi

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2. Studies	19
3. Expertise and skills: Importance and development	27
4. Support and counseling	47
5. Well-being and coping	63
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7. Working during the studies	81
8. Employment	89
9. Satisfaction with the studies	111
10. Trends and time series	121

The yearly cycle of collaboration



1. Basics and demograpichs

Number of graduates, responses and response rates 2022

Response rates 2012-2022

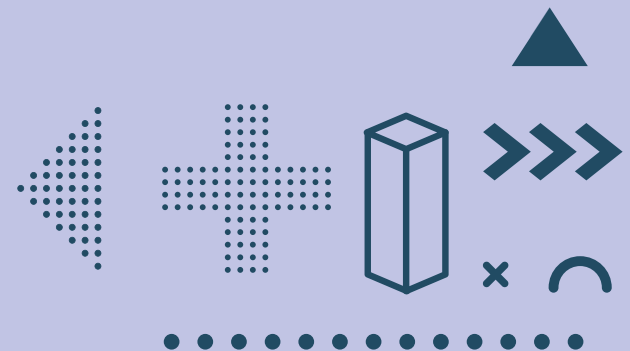
Number of answers 2012-2022

Educational areas within universities and schools

Gender

Nationality

Age at the time of graduation



Number of graduates and responses 2022

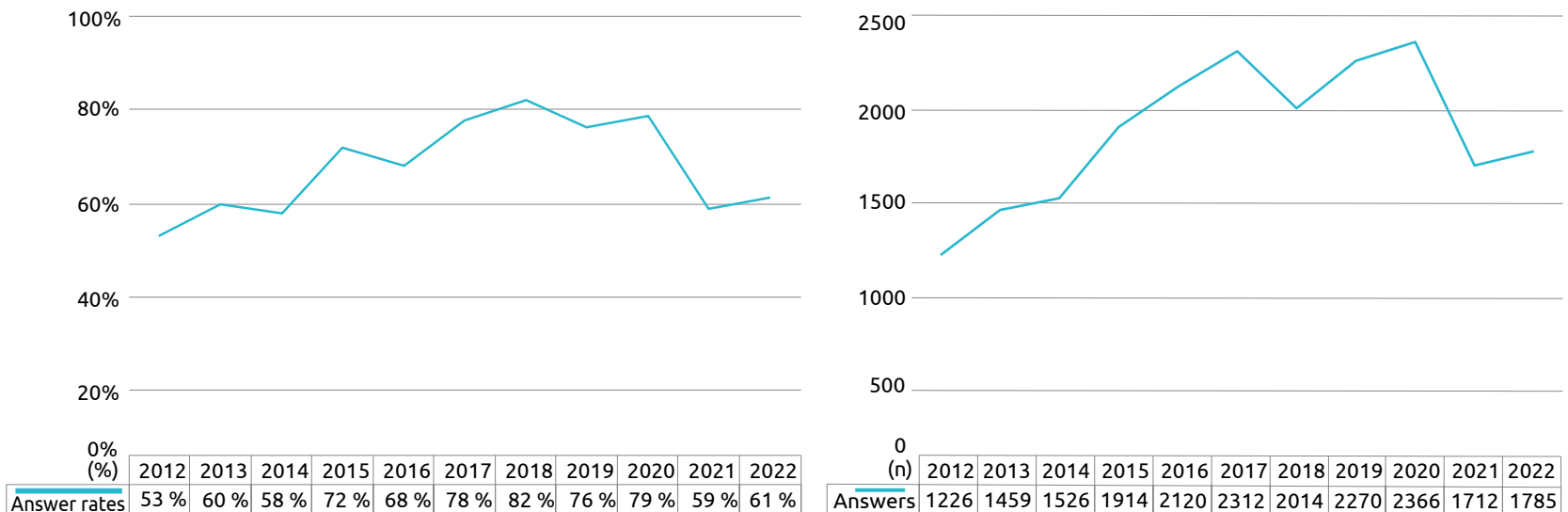
	ALL	Aalto ARTS*	Aalto CHEM	Aalto ELEC	Aalto ENG	Aalto SCI	Aalto ALL	TAU	LUT	UO	UTU**	ÅAU	UV
Graduates 2022 in the scope of the TEK Graduate Survey	2921	99	141	228	294	426	1188	702	543	336	65	48	39
Answers (n)	1785	44	82	131	186	186	629	408	530	102	49	47	20
Answer rate (%)	61 %	44 %	58 %	57 %	63 %	44 %	53 %	58 %	98 %	30 %	75 %	98 %	51 %

* Not including the M.Sc (Arts) graduates from Aalto ARTS.

** Not including the students from the commissioned degree programmes or the international double degree programmes.

Answers and answer rates

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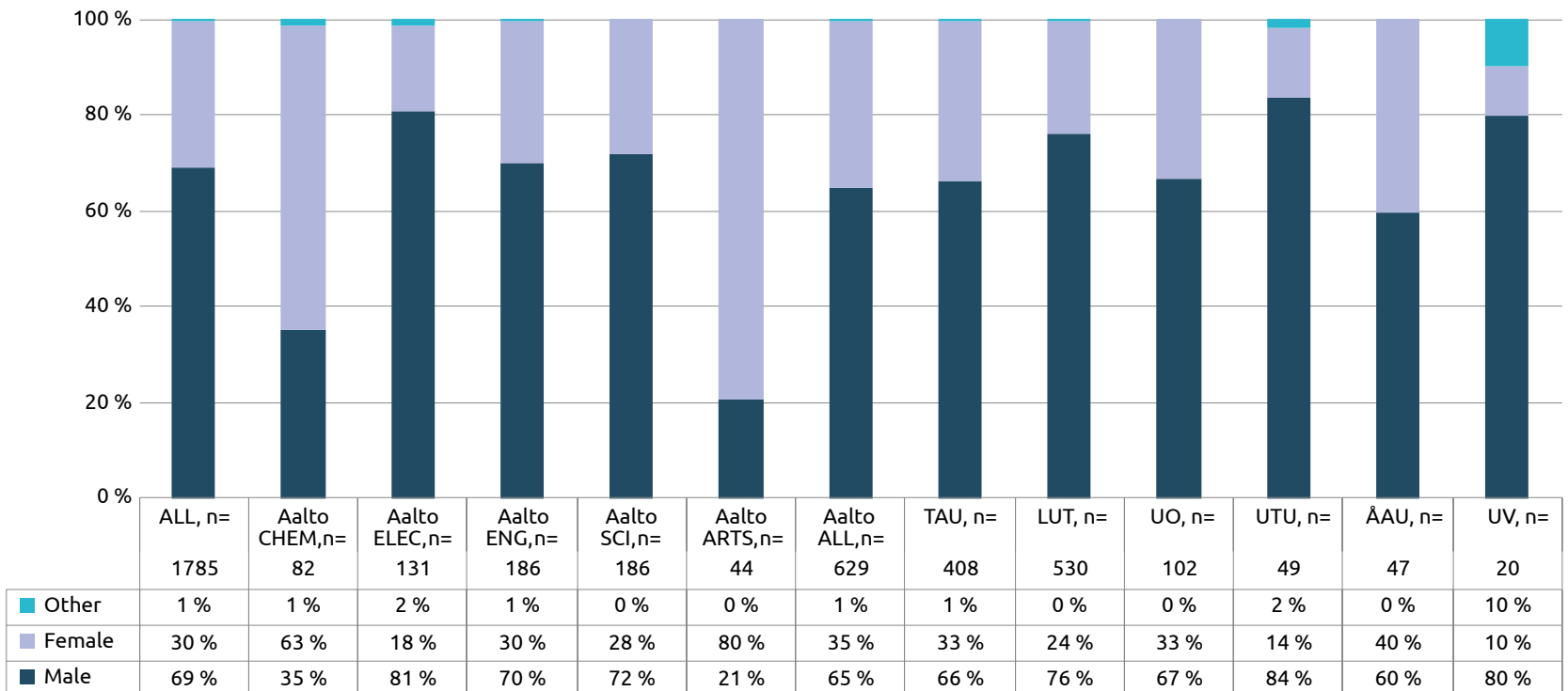


Educational areas within the universities and schools

Educational area		ALL	Aalto CHEM	Aalto ELEC	Aalto ENG	Aalto SCI	Aalto ARTS	Aalto ALL	TAU	LUT	UO	UTU	ÅAU	UV
Mechanical & Energy Engineering	Mechanical Engineering	11 %			30 %			9 %	9 %	16 %	17 %	2 %		
	Energy Engineering	7 %	11 %		11 %			5 %		16 %				60 %
Electrical & Automation Engineering	Electrical Engineering	12 %		76 %				16 %	7 %	14 %	9 %			15 %
	Automation Engineering	2 %		5 %				1 %	5 %					
	Engineering Physics					4 %		1 %						
	Science and Engineering	4 %		5 %		12 %		5 %	5 %	6 %				
Information & Telecommunications Technology	Information Technology	16 %		2 %		71 %		22 %	14 %	7 %	5 %	74 %	23 %	
	Telecommunications Technology	1 %		12 %				3 %						
Process & Materials Engineering	Chemical Engineering	6 %	31 %					4 %		8 %			72 %	
	Process Engineering	1 %									11 %			
	Environmental Engineering	4 %							5 %	8 %	4 %			
	Wood Processing Technology	2 %	31 %					4 %					4 %	
	Materials Technology, Rock Engineering	2 %	20 %		1 %			3 %	5 %			4 %		
	Biotechnology	1 %	9 %					1 %	1 %			20 %		
Building Construction & Surveying Technology	Building Construction, Community Development	8 %			23 %			7 %	17 %		22 %			
	Surveying Technology	4 %			36 %			11 %						
Industrial Management	Industrial management	14 %				13 %		4 %	18 %	26 %	8 %			25 %
	Other or Unknown Technology	1 %							3 %					
Architecture	Architecture	6 %					77 %	5 %	11 %		26 %			
	Landscape Architecture	1 %					23 %	2 %						
		100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %

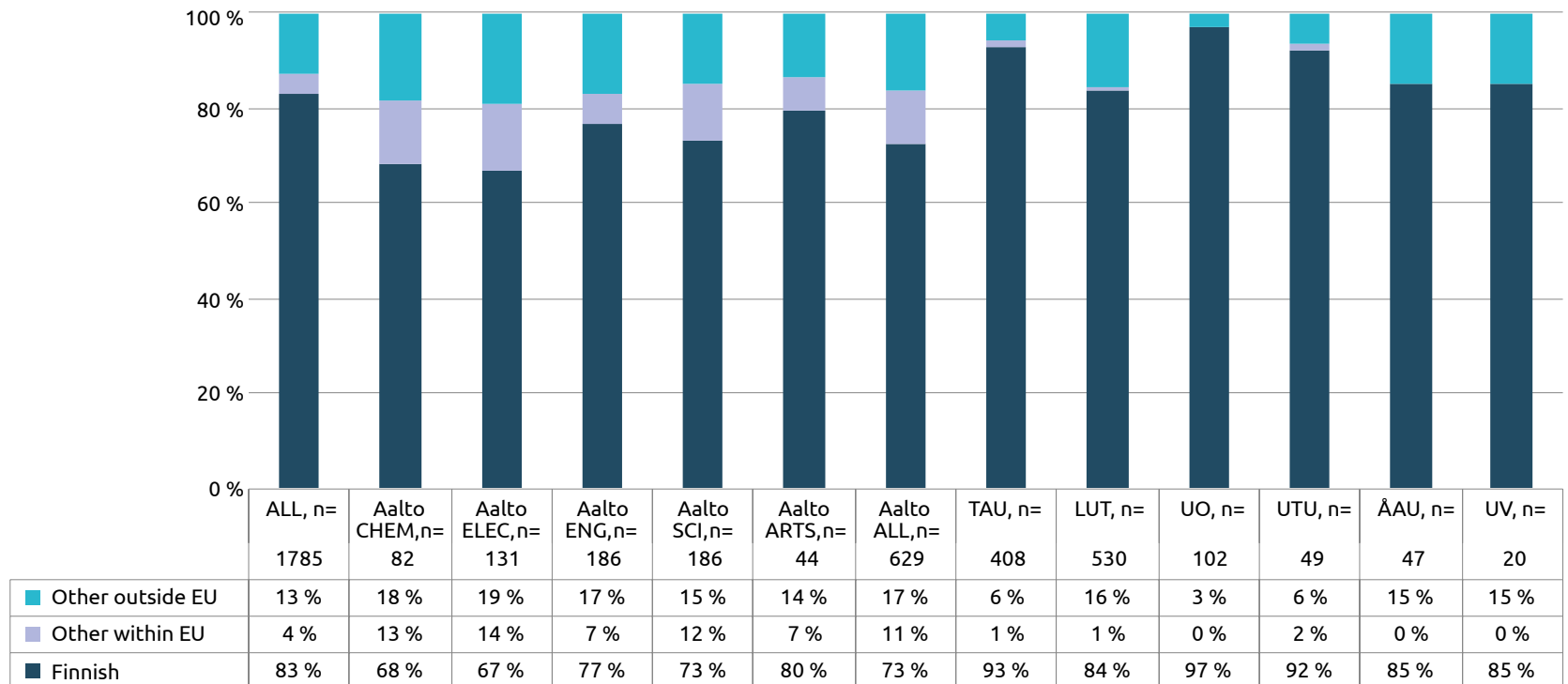
Gender

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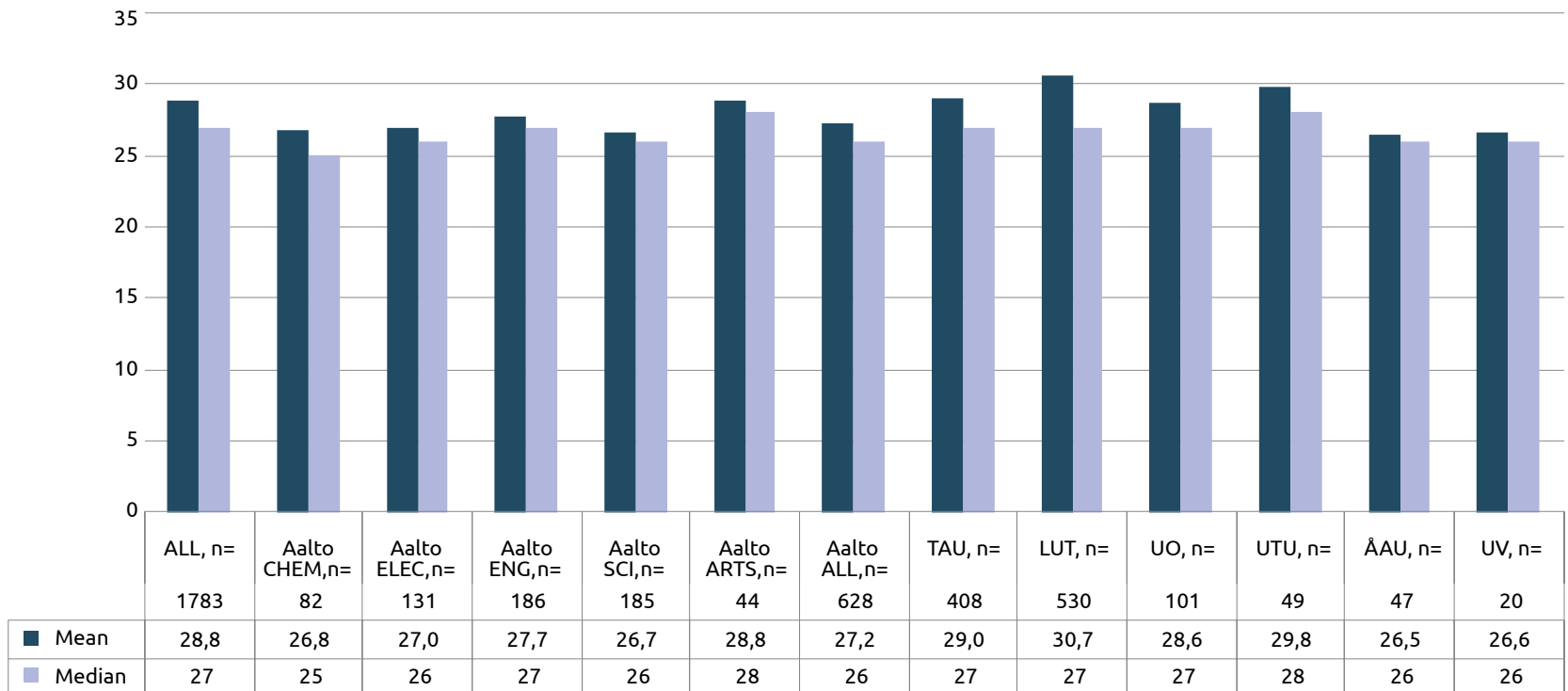
Nationality

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Age at the time of graduation

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2. Studies

Degree and location of graduation before Master's studies

Exchange studies or working abroad

Absence from the studies during studies in Finland

Delays in studies or graduation

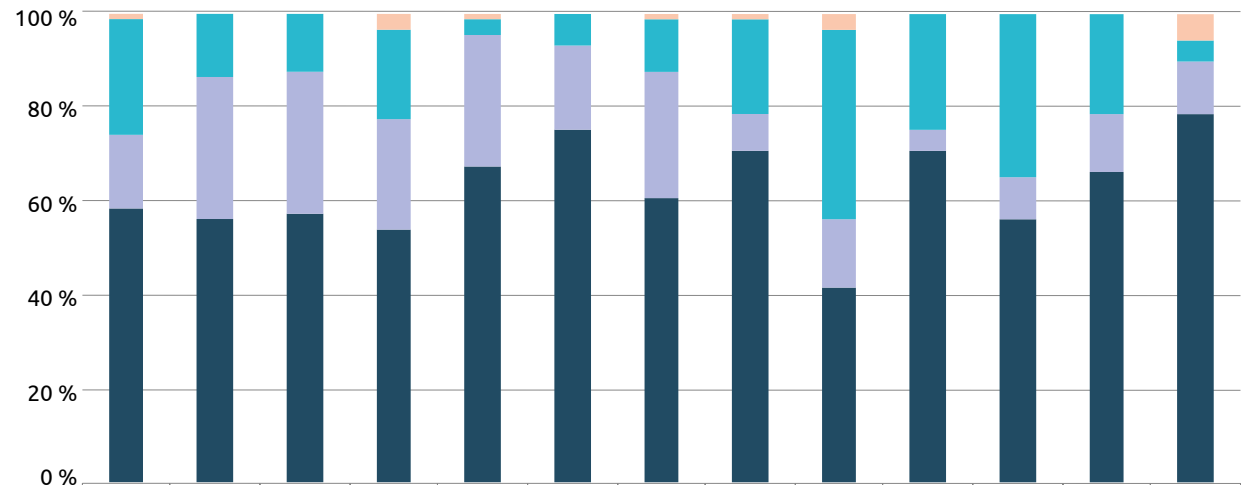
Reasons for the delays



B.Sc. Studies

Degree and location of studies before Master's studies

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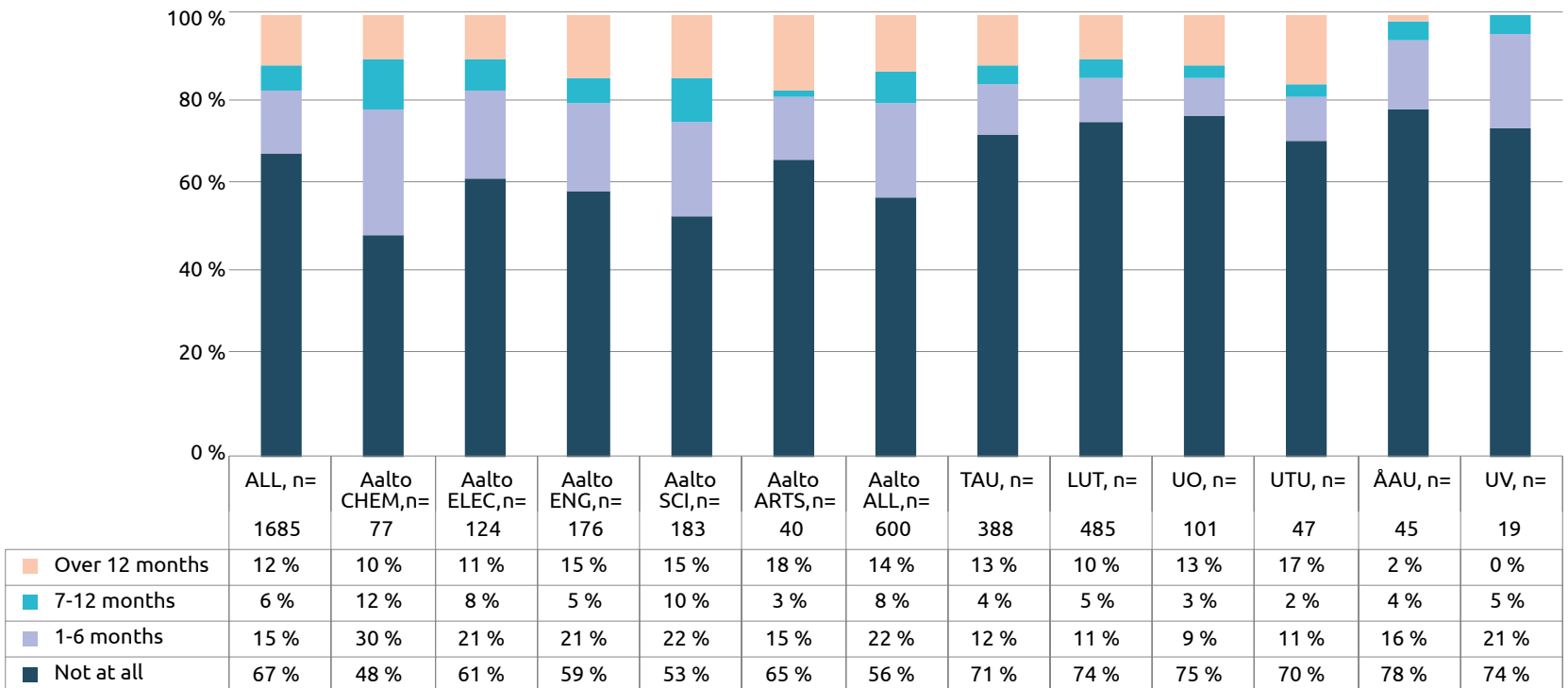


	ALL, n=	Aalto CHEM, n=	Aalto ELEC, n=	Aalto ENG, n=	Aalto SCI, n=	Aalto ARTS, n=	Aalto ALL, n=	TAU, n=	LUT, n=	UO, n=	UTU, n=	ÅAU, n=	UV, n=
	1715	79	123	177	181	40	600	396	507	98	48	47	19
Other	2 %	0 %	0 %	4 %	1 %	0 %	2 %	2 %	3 %	0 %	0 %	0 %	5 %
B.Sc. from a university of applied sciences	24 %	14 %	12 %	19 %	4 %	8 %	12 %	20 %	41 %	25 %	35 %	21 %	5 %
B.Sc. at another university	16 %	30 %	30 %	23 %	28 %	18 %	27 %	8 %	14 %	5 %	8 %	13 %	11 %
B.Sc. at your current university	58 %	56 %	58 %	54 %	67 %	75 %	61 %	71 %	42 %	70 %	56 %	66 %	79 %

Exchange studies or working abroad

Studies or working abroad

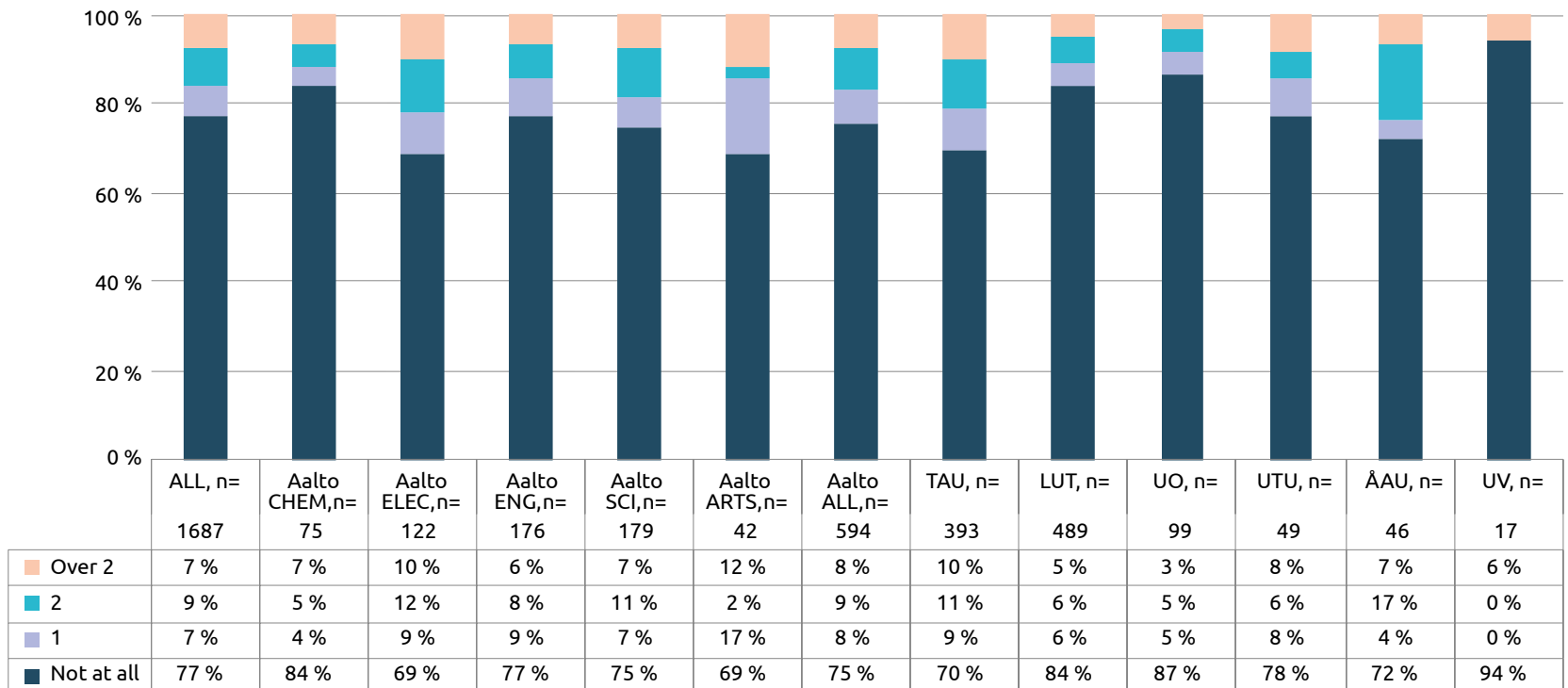
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Absence

Absence from the studies during studies in Finland, semesters

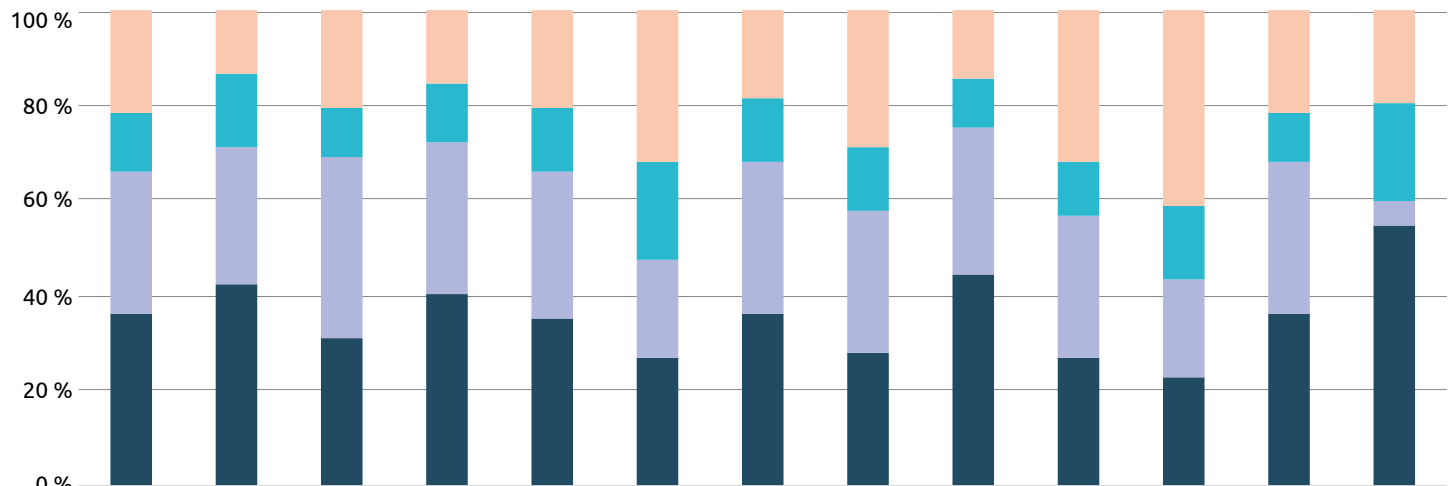
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Delays in studies or graduation

Delays in studies or graduation

©TEK Graduate Survey 2022



	ALL, n= 1785	Aalto CHEM, n= 82	Aalto ELEC, n= 131	Aalto ENG, n= 186	Aalto SCI, n= 186	Aalto ARTS, n= 44	Aalto ALL, n= 629	TAU, n= 408	LUT, n= 530	UO, n= 102	UTU, n= 49	ÅAU, n= 47	UV, n= 20
Yes, over 12 months	21 %	13 %	21 %	16 %	20 %	32 %	19 %	29 %	14 %	32 %	41 %	21 %	20 %
Yes, 7-12 months	12 %	16 %	10 %	12 %	13 %	21 %	13 %	14 %	10 %	11 %	16 %	11 %	20 %
Yes, 1-6 months	30 %	28 %	38 %	33 %	31 %	21 %	32 %	30 %	31 %	30 %	20 %	32 %	5 %
No	36 %	43 %	31 %	40 %	36 %	27 %	36 %	28 %	45 %	27 %	22 %	36 %	55 %

Reasons for the delays

Reason for the delay, if delayed.	ALL, n=1142	Aalto CHEM, n=47	Aalto ELEC, n=90	Aalto ENG, n=112	Aalto SCI, n=120	Aalto ARTS, n=32	Aalto ALL, n=401	TAU, n=295	LUT, n=294	UO, n=75	UTU, n=38	ÅAU, n=30	UV, n=9
Working during the studies.	53 %	38 %	47 %	49 %	56 %	56 %	50 %	59 %	53 %	53 %	53 %	47 %	56 %
Delay in finding a place or subject for the thesis work.	26 %	21 %	24 %	28 %	25 %	25 %	25 %	27 %	28 %	25 %	18 %	30 %	44 %
Insufficient motivation for studies.	21 %	26 %	23 %	24 %	21 %	22 %	23 %	20 %	17 %	24 %	18 %	30 %	33 %
Other matters related to master's thesis or graduation.	19 %	49 %	20 %	18 %	20 %	9 %	22 %	17 %	18 %	20 %	18 %	30 %	0 %
Personal issues, eg. health problems.	16 %	32 %	16 %	14 %	13 %	47 %	19 %	17 %	10 %	15 %	18 %	10 %	11 %
Family issues.	11 %	9 %	6 %	9 %	3 %	13 %	6 %	12 %	14 %	15 %	21 %	7 %	22 %
Insufficient Master's thesis guidance.	10 %	9 %	12 %	14 %	12 %	6 %	12 %	12 %	8 %	4 %	8 %	7 %	0 %
COVID-19	10 %	17 %	10 %	12 %	12 %	13 %	12 %	9 %	8 %	7 %	11 %	10 %	0 %
Overlaps and incompatibilities in the course schedules.	8 %	6 %	9 %	4 %	6 %	31 %	8 %	7 %	9 %	11 %	13 %	13 %	0 %
Military or civil service.	6 %	2 %	6 %	4 %	15 %	3 %	7 %	5 %	5 %	4 %	11 %	10 %	0 %
Spending time as an exchange student.	6 %	4 %	6 %	8 %	3 %	6 %	5 %	8 %	5 %	5 %	8 %	3 %	0 %
Taking part in the student organization(s') activities.	5 %	0 %	6 %	8 %	8 %	9 %	7 %	7 %	2 %	7 %	0 %	10 %	0 %
Insufficient study guidance.	5 %	4 %	2 %	4 %	9 %	6 %	5 %	4 %	2 %	7 %	13 %	10 %	0 %
Insufficient studying skills.	4 %	4 %	4 %	3 %	1 %	13 %	3 %	6 %	4 %	1 %	3 %	3 %	0 %
Studies as a whole (amount & quality)	3 %	11 %	4 %	4 %	3 %	6 %	4 %	5 %	1 %	1 %	0 %	0 %	0 %
Some other reason.	2 %	0 %	3 %	4 %	2 %	0 %	2 %	2 %	1 %	0 %	5 %	0 %	0 %
Not having a job to take up after graduating.	2 %	0 %	2 %	1 %	2 %	0 %	1 %	2 %	2 %	0 %	0 %	0 %	11 %
Active free time (eg. Sports, travelling)	1 %	2 %	1 %	1 %	1 %	3 %	1 %	0 %	0 %	0 %	0 %	0 %	0 %

3. Expertise and skills: Importance and development

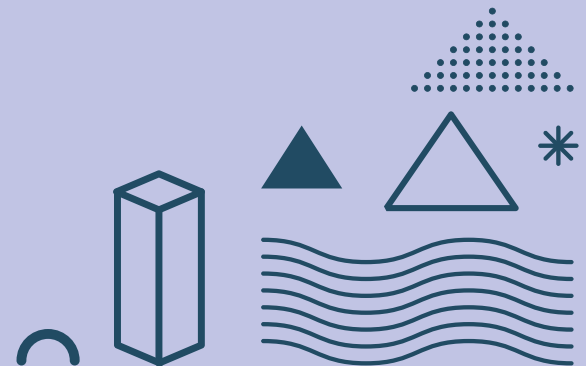
Items and Factors

Factor means

Importance

Development in studies

Development in work



Items and factors

ITEMS IN FACTORS OF EXPERTISE					
Communication and Information processing	Social skills	Business and Management	Expertise and substance knowledge	Working Life Skills	Analytical skills
Written communication	Leadership	Sustainable development	Know-how of own field	Working independently	Self-knowledge
Oral communication	Team working	Basics of business operations	Knowledge of the research of own field	Problem solving	Self-confidence
Visual communication	Social skills	Entrepreneurial capacities	Knowledge of the history and development of own field	Information retrieval	Creativity
Digitalization and utilization of data			Mathematics and natural science	International work environment	Critical thinking skills
			Practical application of theories	Project management	Analytical thinking skills
				Time management and of prioritizing	Ethicality
				Developing own skills in working life	
				Career management capacities	
				Looking after of own well-being	

METHOD:

With the following two questions, the respondents were asked to assess each of the 30 areas of expertise and skills from three different viewpoints:

1. "How important do you think the following areas of expertise are for your career?"
2. "Please compare how much the following areas of expertise developed in your studies and how much due to your work experience during your studies?"

A 7-point answer scale were used, where value (1) represented the option "Not at all" and (6) the option "Very much".

Respondents who chose "Unable to answer" (7) were excluded when calculating the means.

Based on factor analysis, the areas of expertise were classified in to 6 categories ("Factors").

Factor means

Focus	Factor	ALL, n=1698	Aalto CHEM, n=75	Aalto ELEC, n=121	Aalto ENG, n=175	Aalto SCI, n=169	Aalto ARTS, n=43	Aalto ALL, n=583	TAU, n=390	LUT, n=515	UO, n=98	UTU, n=48	ÅAU, n=44	UV, n=20
Importance	Working Life Skills	5,5	5,5	5,5	5,4	5,5	5,3	5,5	5,5	5,5	5,5	5,4	5,4	5,4
	Analytical Skills	5,2	5,2	5,2	5,2	5,3	5,4	5,2	5,1	5,2	5,1	5,2	5,4	5,6
	Social Skills	5,2	5,3	5,1	5,2	5,2	5,1	5,2	5,2	5,3	5,2	5,1	5,2	5,0
	Communication and Information Processing	4,9	4,9	5,0	4,9	5,0	4,9	5,0	4,8	4,9	4,7	4,9	4,9	4,7
	Expertise and Substance Knowledge	4,8	4,8	4,8	4,9	4,7	4,9	4,8	4,8	4,8	4,8	4,9	4,9	4,6
	Business and Management	4,4	4,3	4,3	4,4	4,1	4,4	4,3	4,5	4,6	4,4	4,1	4,6	4,6
Development in studies (amount)	Working Life Skills	4,9	4,8	4,9	4,9	4,9	4,7	4,9	4,8	4,9	4,7	4,8	4,9	4,9
	Analytical Skills	4,7	4,6	4,7	4,8	4,6	4,9	4,7	4,6	4,8	4,6	4,6	5,0	4,6
	Social Skills	4,5	4,5	4,4	4,6	4,3	4,3	4,4	4,5	4,6	4,3	4,3	4,7	4,3
	Communication and Information Processing	4,5	4,4	4,5	4,5	4,5	4,4	4,5	4,4	4,5	4,3	4,6	4,5	4,4
	Expertise and Substance Knowledge	4,7	4,8	4,8	4,7	4,9	4,6	4,8	4,7	4,8	4,6	4,8	4,9	4,5
	Business and Management	3,9	3,9	3,8	3,9	3,5	3,0	3,7	3,8	4,3	3,5	3,9	4,2	4,1
Development in work (amount)	Working Life Skills	5,0	5,1	5,1	5,0	5,1	4,7	5,0	5,0	5,0	5,0	5,2	5,2	5,5
	Analytical Skills	4,7	4,7	4,6	4,7	4,6	4,2	4,6	4,6	4,7	4,6	4,8	5,0	5,1
	Social Skills	4,6	4,7	4,5	4,5	4,5	4,2	4,5	4,6	4,7	4,5	4,7	4,8	5,0
	Communication and Information Processing	4,4	4,5	4,4	4,2	4,6	3,6	4,4	4,3	4,4	4,2	4,4	4,4	4,6
	Expertise and Substance Knowledge	4,2	4,4	4,2	4,2	4,1	3,8	4,2	4,1	4,3	4,3	4,3	4,4	4,2
	Business and Management	3,8	3,9	3,7	3,8	3,5	3,5	3,7	3,7	3,9	3,7	3,8	4,2	4,2

Expertise and skills: Importance

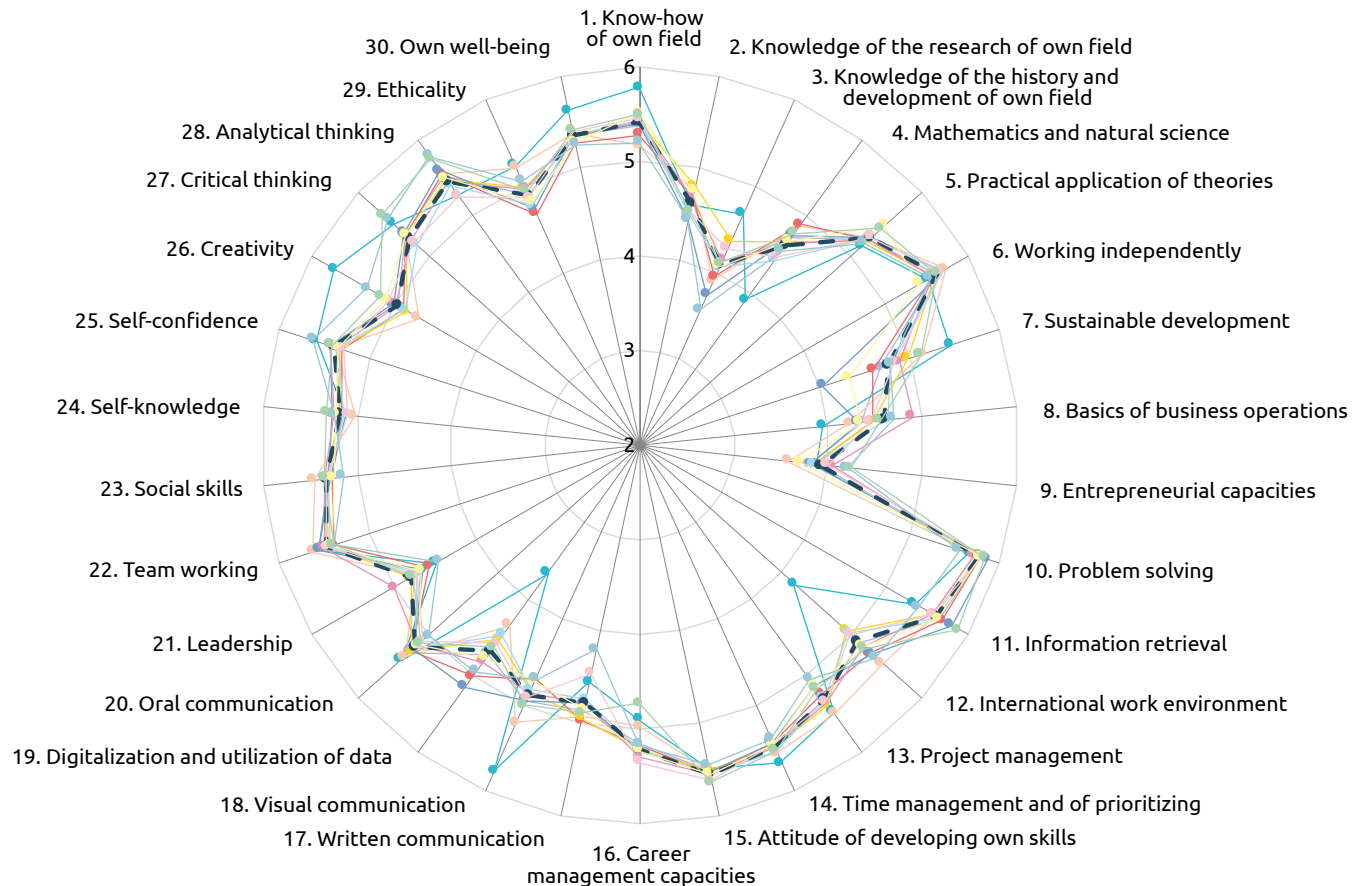
Perceived importance for own career

©TEK Graduate Survey 2022

SCALE

- 1 = Not at all (important)
- 2 = Very little
- 3 = Little
- 4 = Somewhat
- 5 = Much
- 6 = Very much
- (7 = Cannot answer)

- AALTO ALL, n= 583
- Aalto ARTS, n= 43
- Aalto CHEM, n= 75
- Aalto ELEC, n= 121
- Aalto ENG, n= 175
- Aalto SCI, n= 169
- LUT, n= 515
- TAU, n= 390
- ALL, n= 1698
- UO, n= 98
- UTU, n= 48
- UV, n= 20
- ÅAU, n= 44



Expertise and skills: Development

Perceived development in studies vs. importance

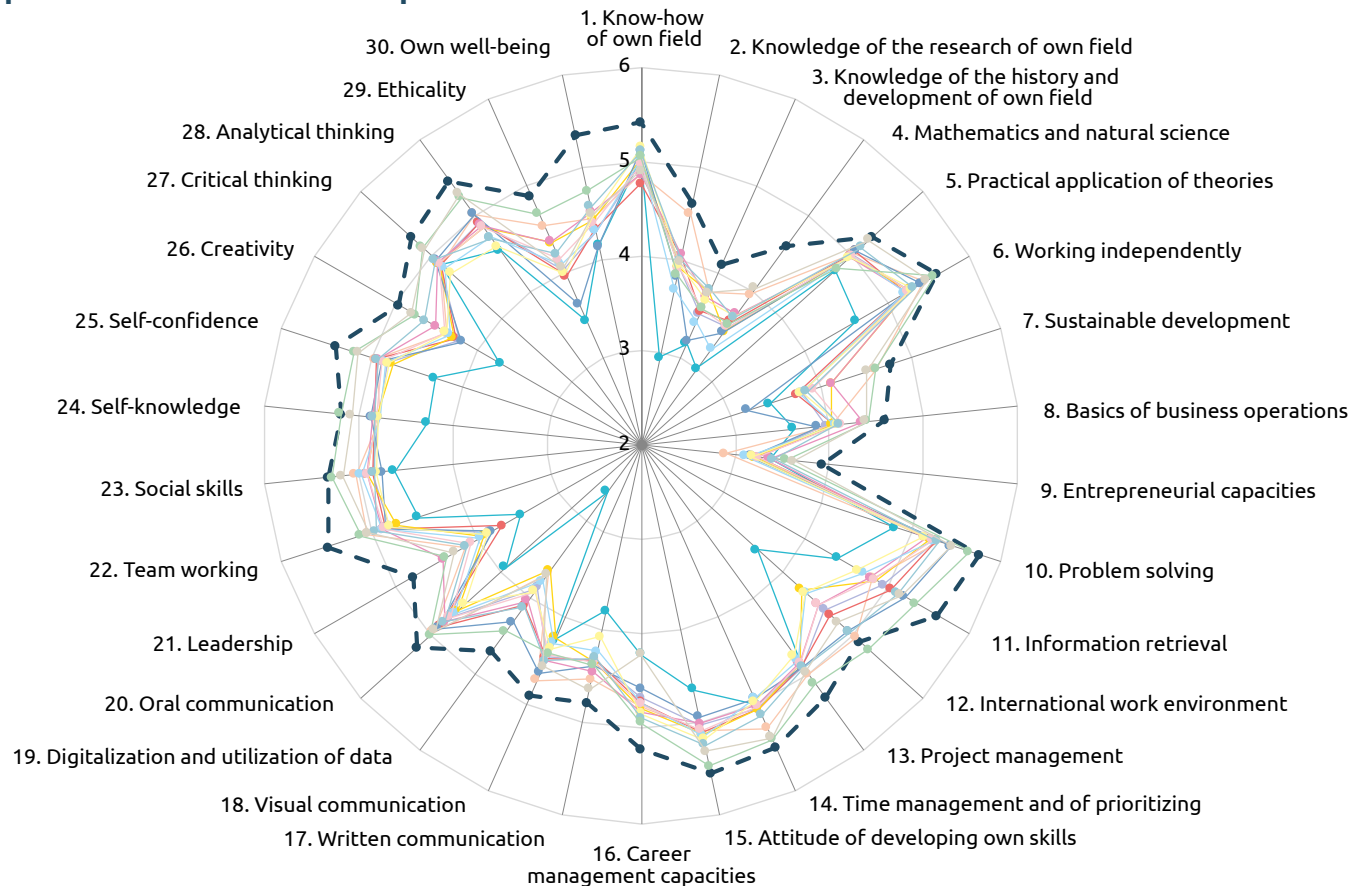
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- (7 = Cannot answer)

IMPORTANCE, ALL

- AALTO ALL
- Aalto ARTS
- Aalto CHEM
- Aalto ELEC
- Aalto ENG
- Aalto SCI
- LUT
- TAU
- ALL
- UO
- UTU
- UV
- ÅAU



Expertise and skills: Development

Perceived development in work vs. importance

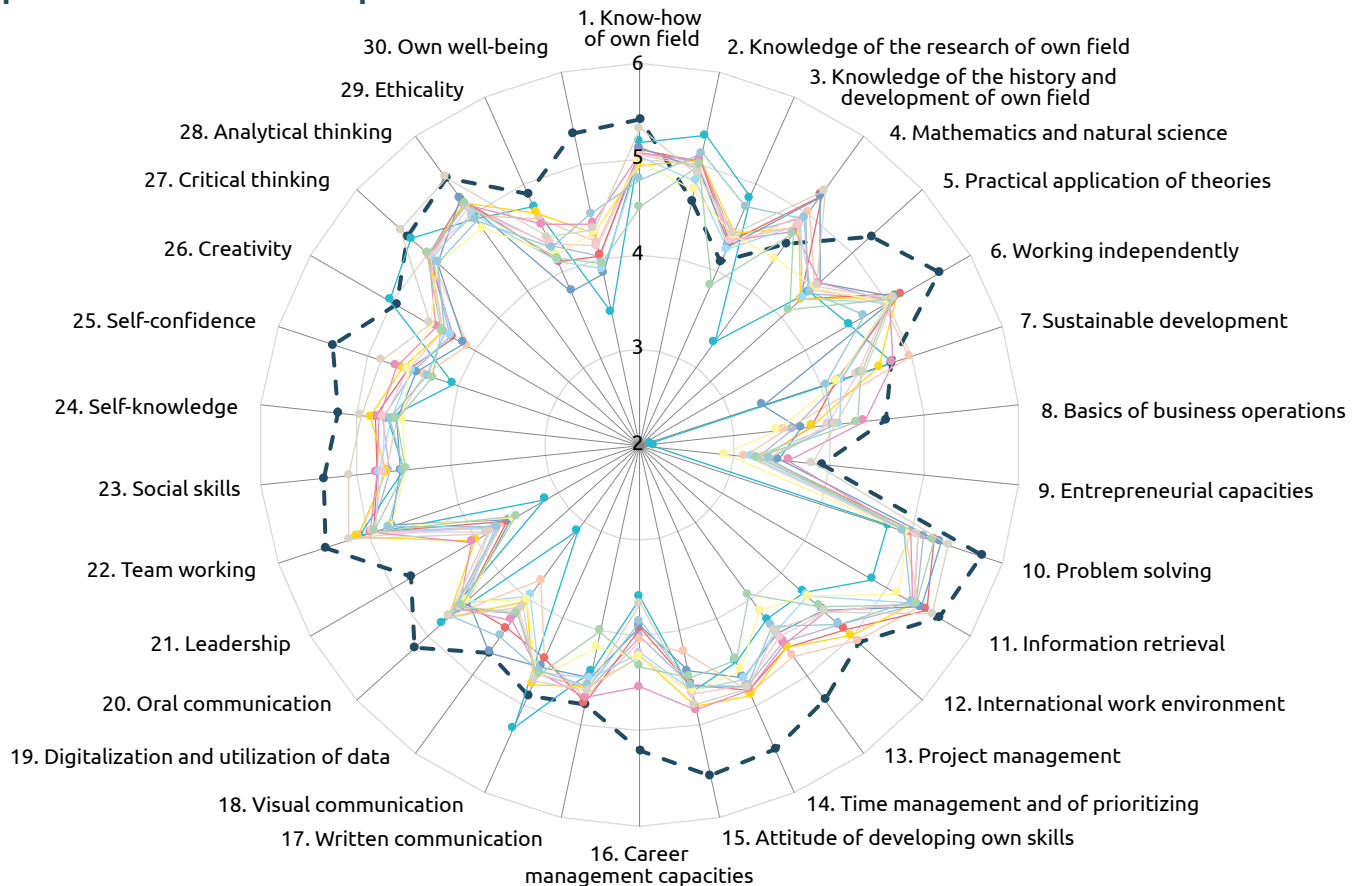
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● IMPORTANCE, ALL

- AALTO ALL
- Aalto ARTS
- Aalto CHEM
- Aalto ELEC
- Aalto ENG
- Aalto SCI
- LUT
- TAU
- ALL
- UO
- UTU
- UV
- ÅAU



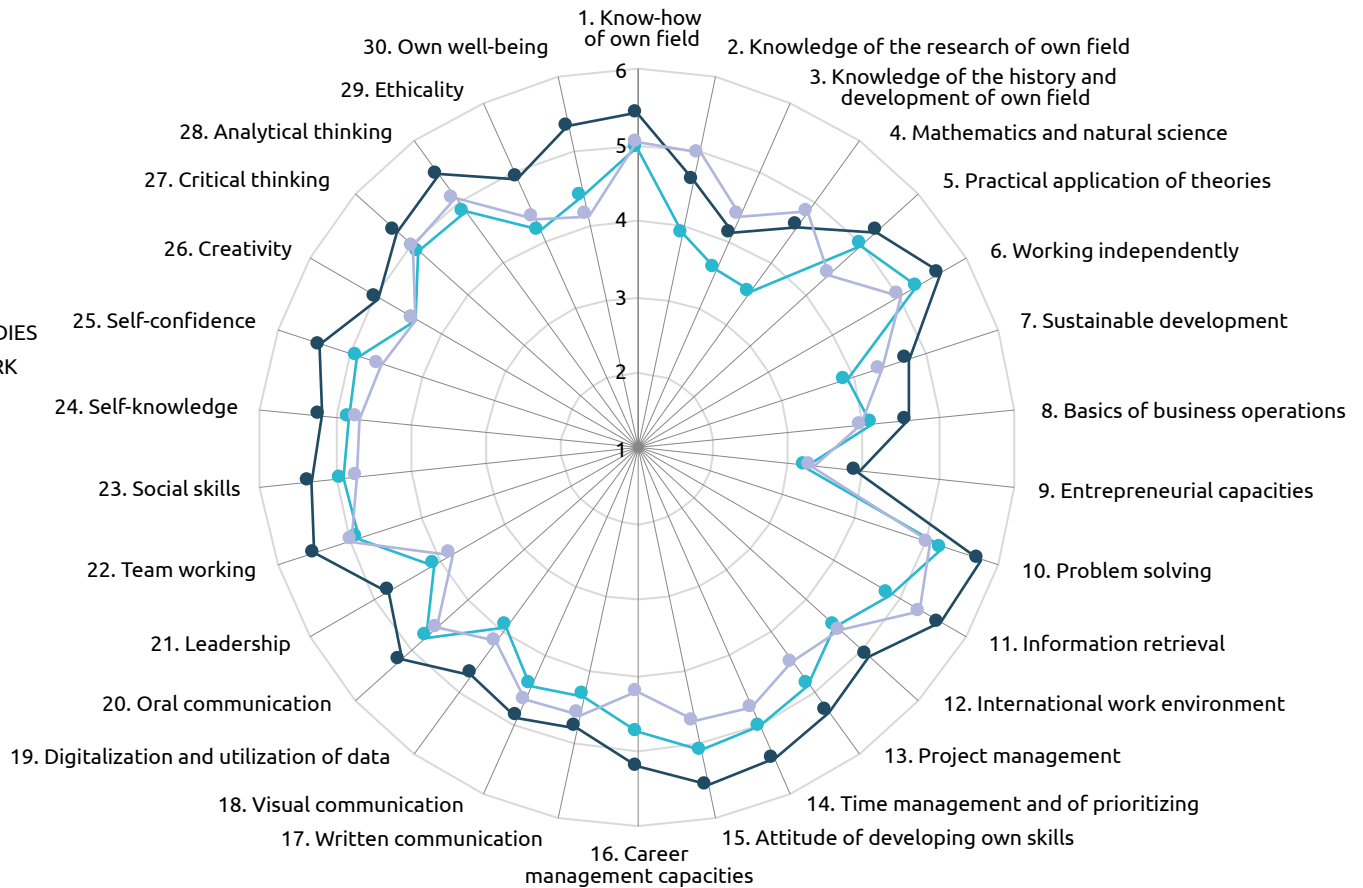
Expertise and skills

ALL, n= 1698

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 (7 = Cannot answer)

● IMPORTANCE
 ● DEVELOPMENT IN STUDIES
 ● DEVELOPMENT IN WORK



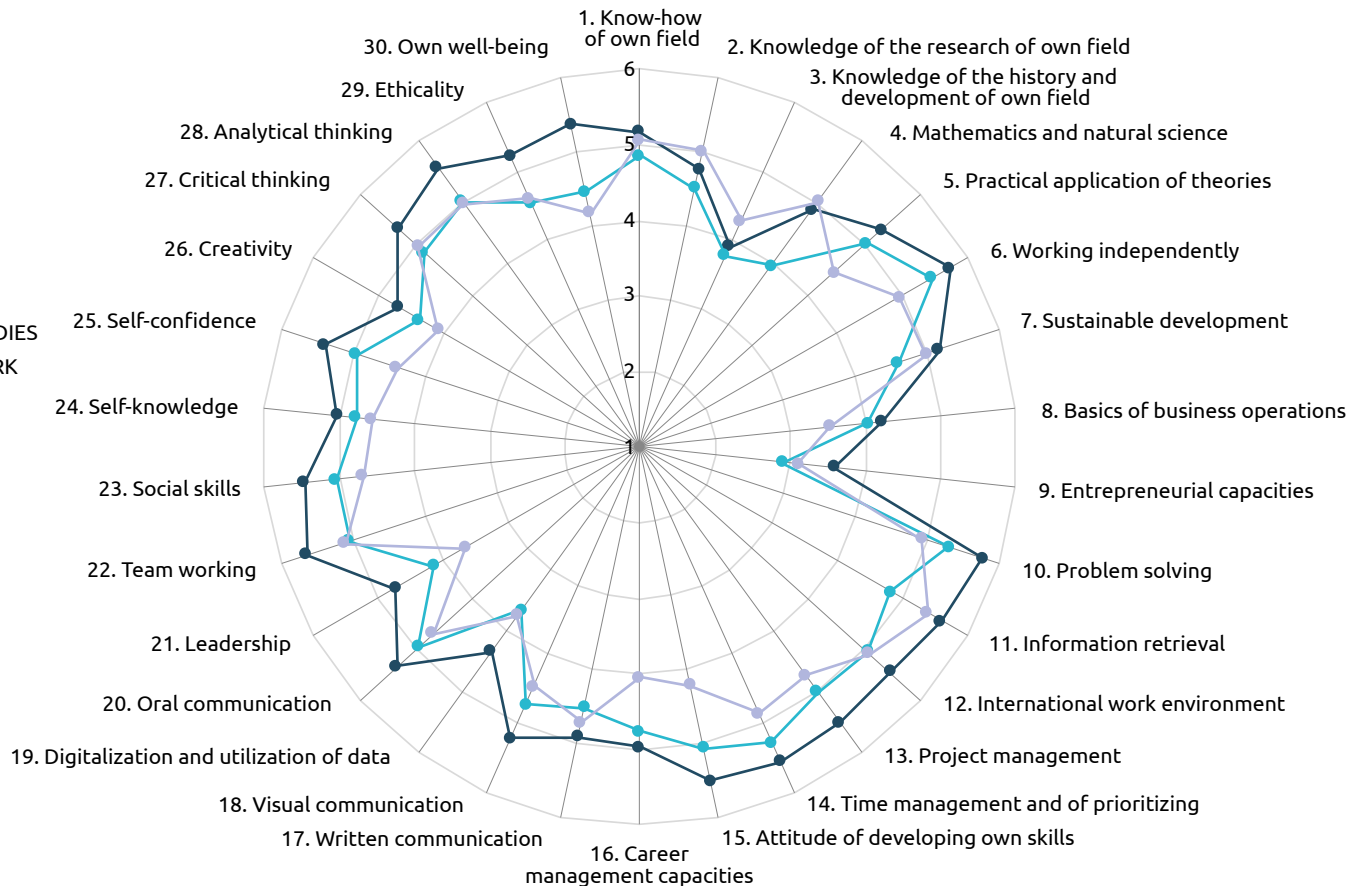
Expertise and skills

Aalto CHEM, n= 75

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● IMPORTANCE
 ● DEVELOPMENT IN STUDIES
 ● DEVELOPMENT IN WORK



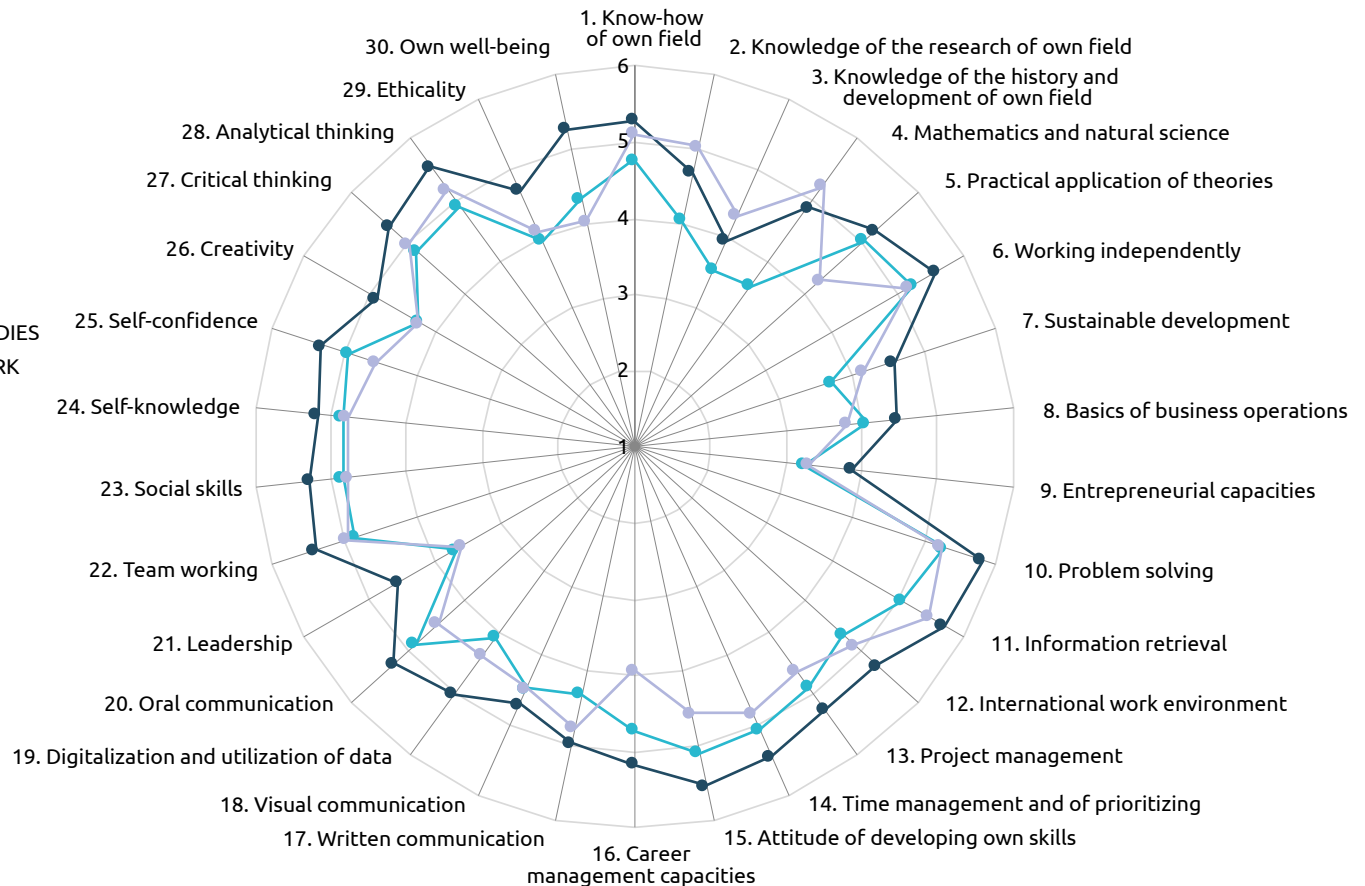
Expertise and skills

Aalto ELEC, n= 121

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SCALE
 1 = Not at all (important)
 2 = Very little
 3 = Little
 4 = Somewhat
 5 = Much
 6 = Very much
 (7 = Cannot answer)

● IMPORTANCE
 ● DEVELOPMENT IN STUDIES
 ● DEVELOPMENT IN WORK



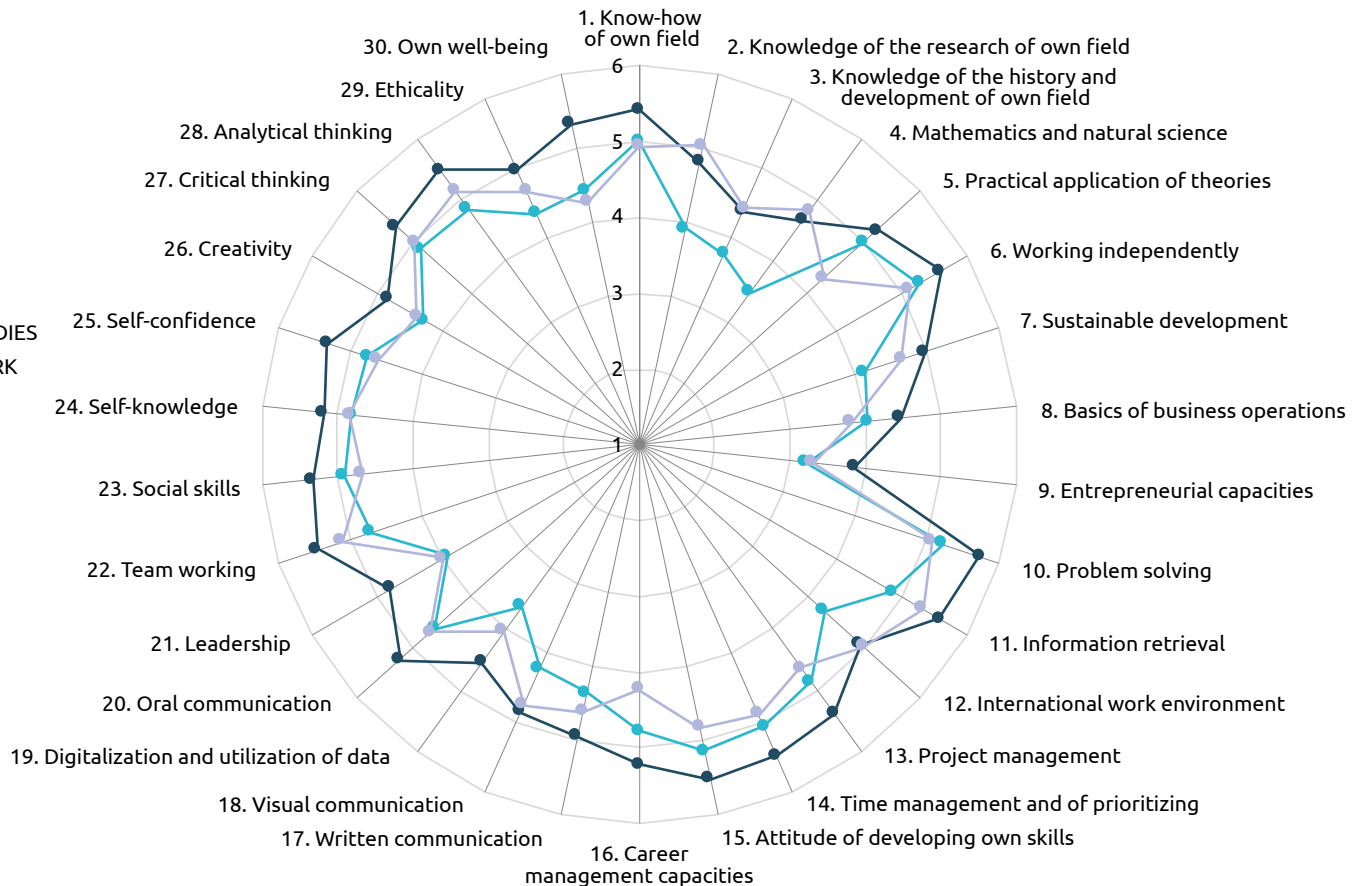
Expertise and skills

Aalto ENG, n= 175

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SCALE
 1 = Not at all (important)
 2 = Very little
 3 = Little
 4 = Somewhat
 5 = Much
 6 = Very much
 (7 = Cannot answer)

● IMPORTANCE
 ● DEVELOPMENT IN STUDIES
 ● DEVELOPMENT IN WORK



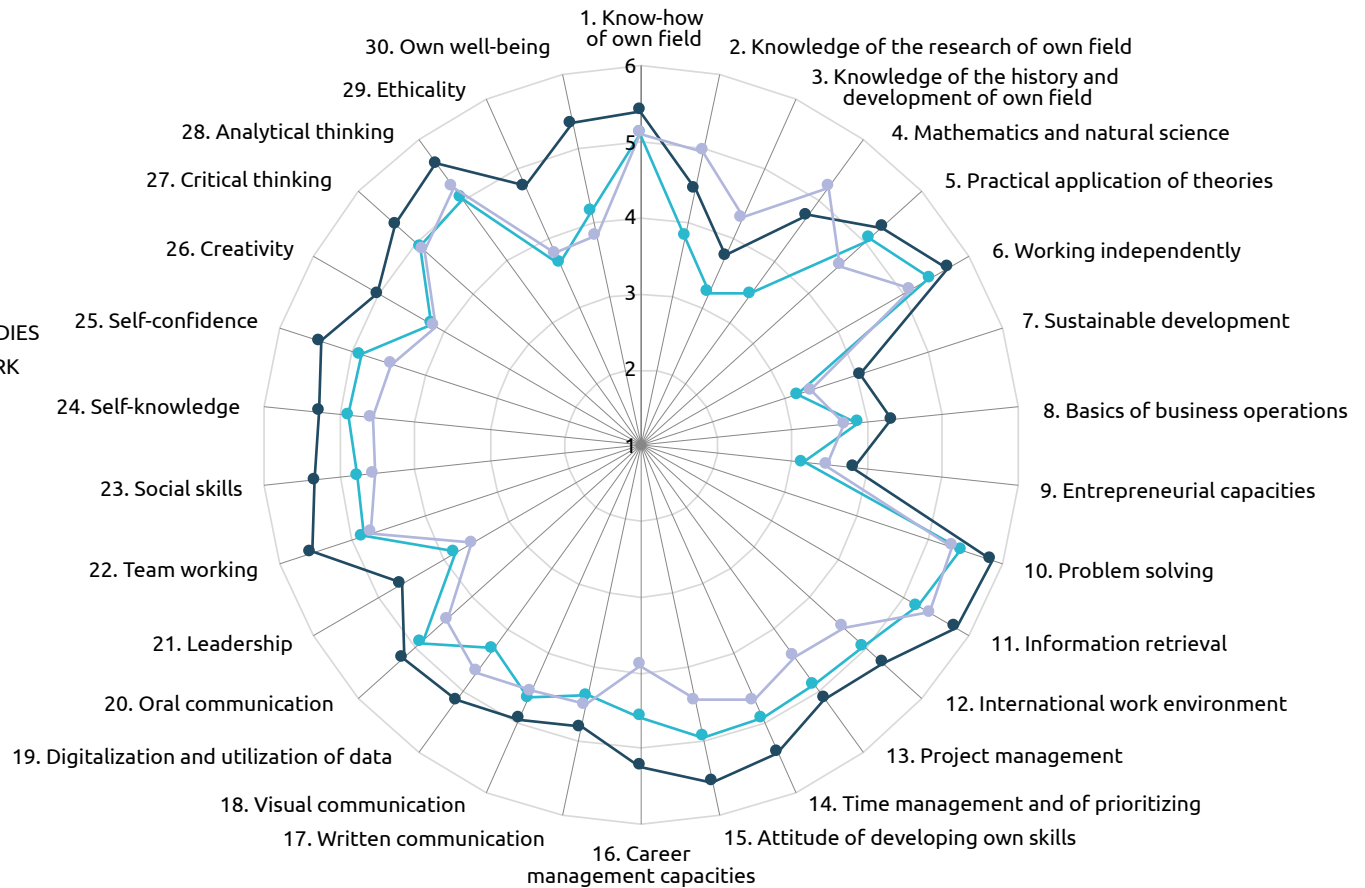
Expertise and skills

Aalto SCI, n= 169

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SCALE
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 2 = Very little
 3 = Little
 4 = Somewhat
 5 = Much
 6 = Very much
 (7 = Cannot answer)

● IMPORTANCE
 ● DEVELOPMENT IN STUDIES
 ● DEVELOPMENT IN WORK



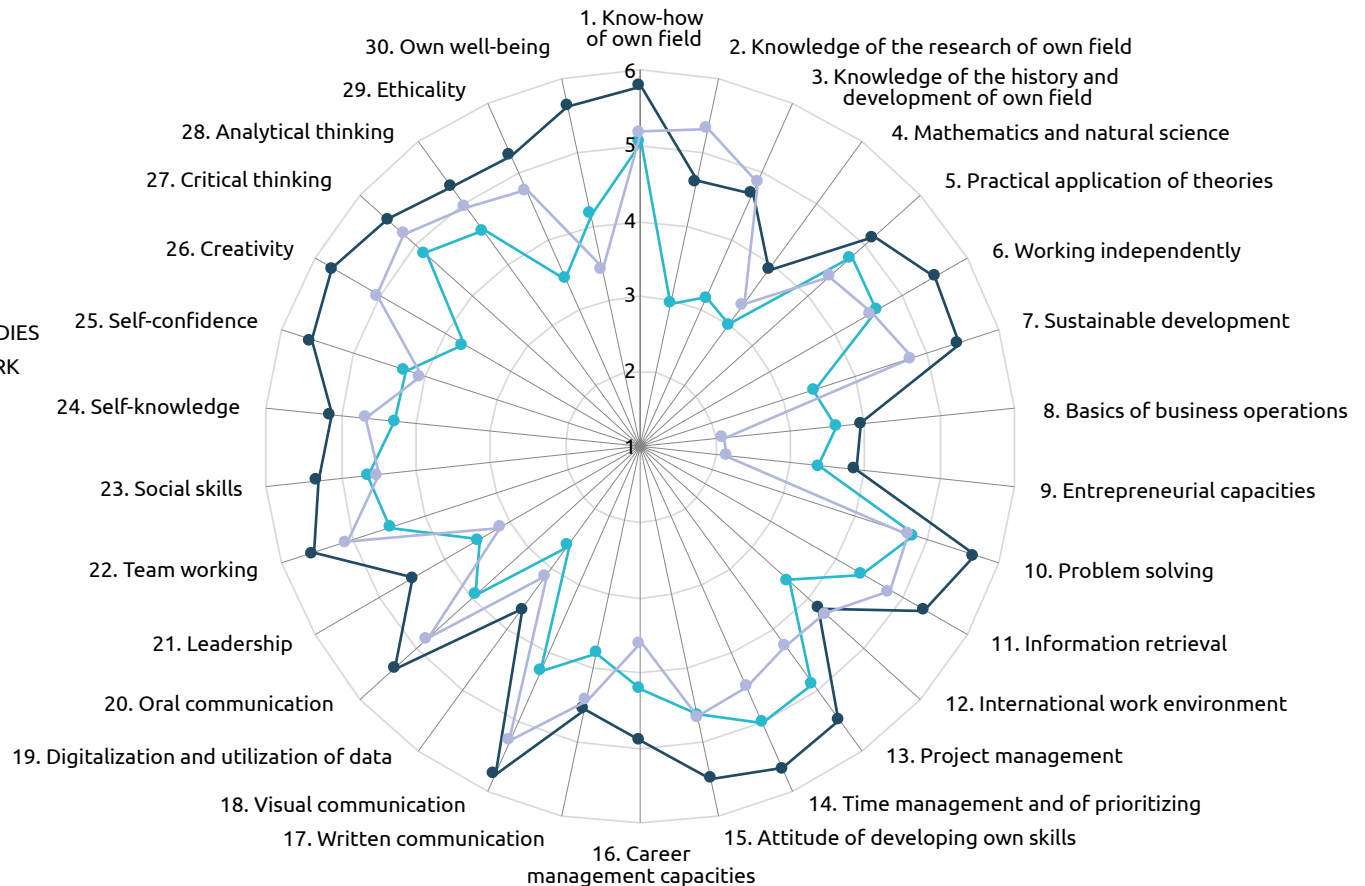
Expertise and skills

Aalto ARTS, n= 43

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 3 = Little
 4 = Somewhat
 5 = Much
 6 = Very much
 (7 = Cannot answer)

● IMPORTANCE
 ● DEVELOPMENT IN STUDIES
 ● DEVELOPMENT IN WORK



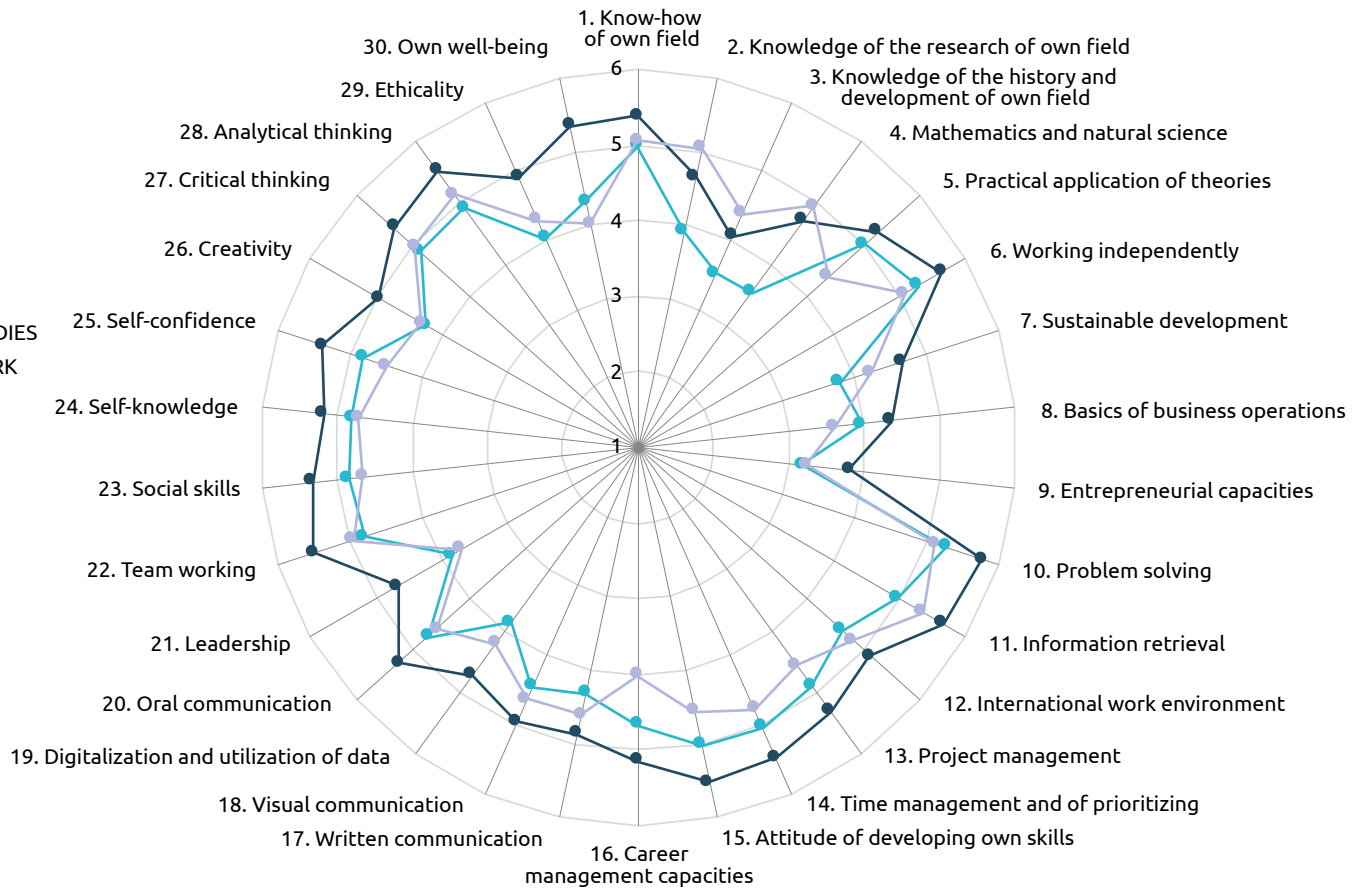
Expertise and skills

AALTO ALL, n= 583

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 4 = Somewhat
 5 = Much
 6 = Very much
 (7 = Cannot answer)

● IMPORTANCE
 ● DEVELOPMENT IN STUDIES
 ● DEVELOPMENT IN WORK



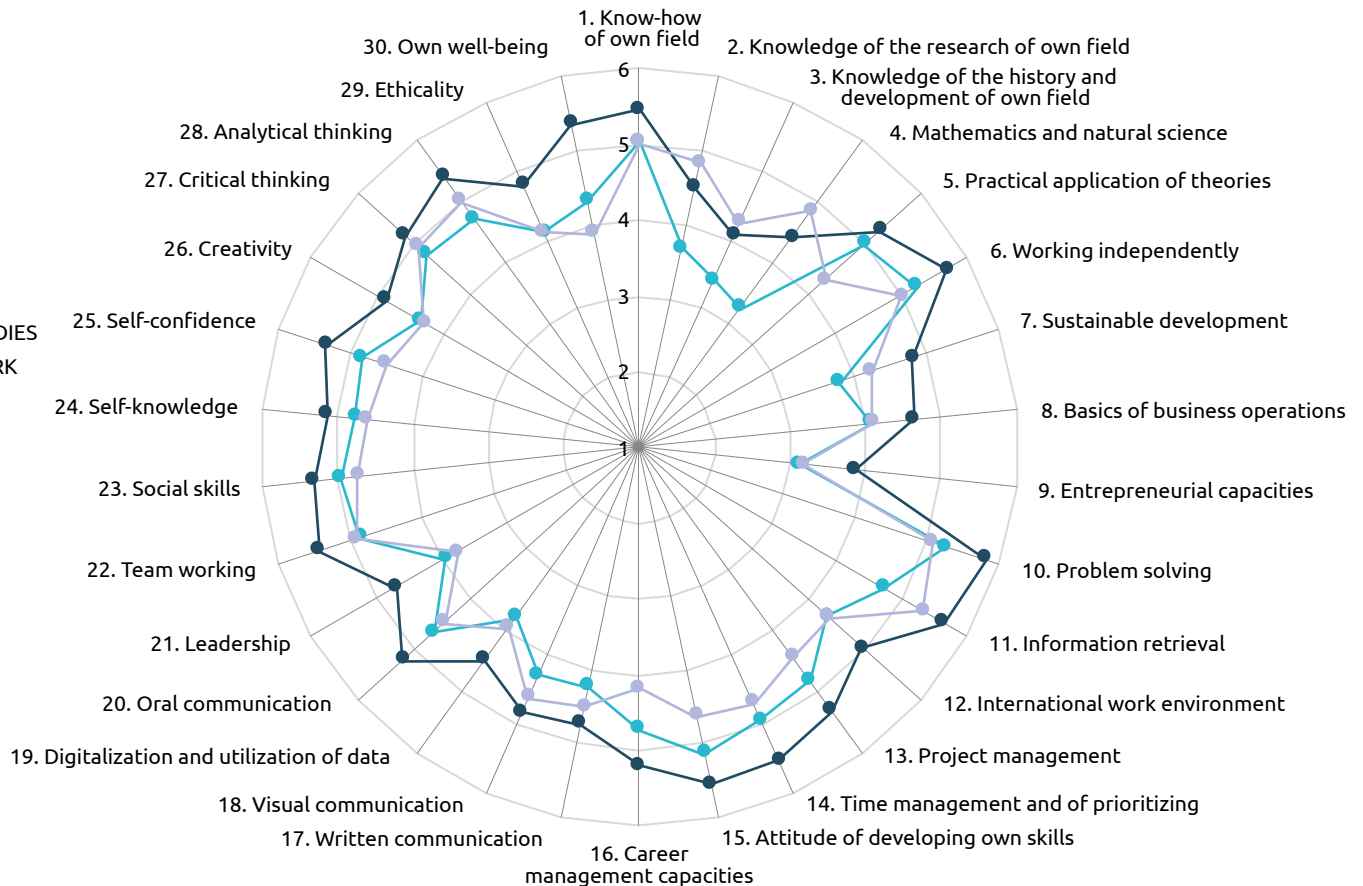
Expertise and skills

TAU, n= 390

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SCALE
 1 = Not at all (important)
 2 = Very little
 3 = Little
 4 = Somewhat
 5 = Much
 6 = Very much
 (7 = Cannot answer)

● IMPORTANCE
 ● DEVELOPMENT IN STUDIES
 ● DEVELOPMENT IN WORK



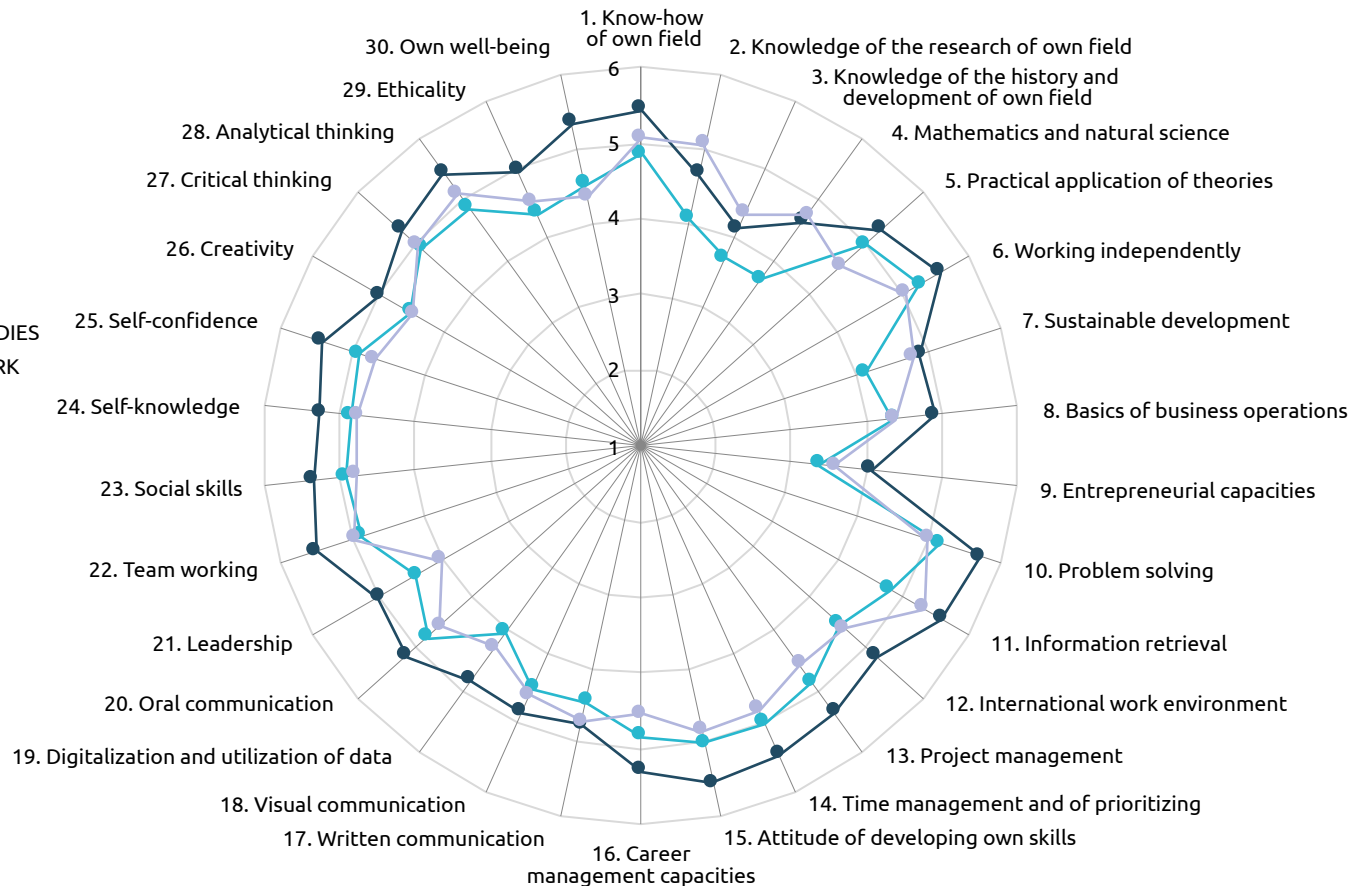
Expertise and skills

LUT, n= 515

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SCALE
 1 = Not at all (important)
 2 = Very little
 3 = Little
 4 = Somewhat
 5 = Much
 6 = Very much
 (7 = Cannot answer)

● IMPORTANCE
 ● DEVELOPMENT IN STUDIES
 ● DEVELOPMENT IN WORK



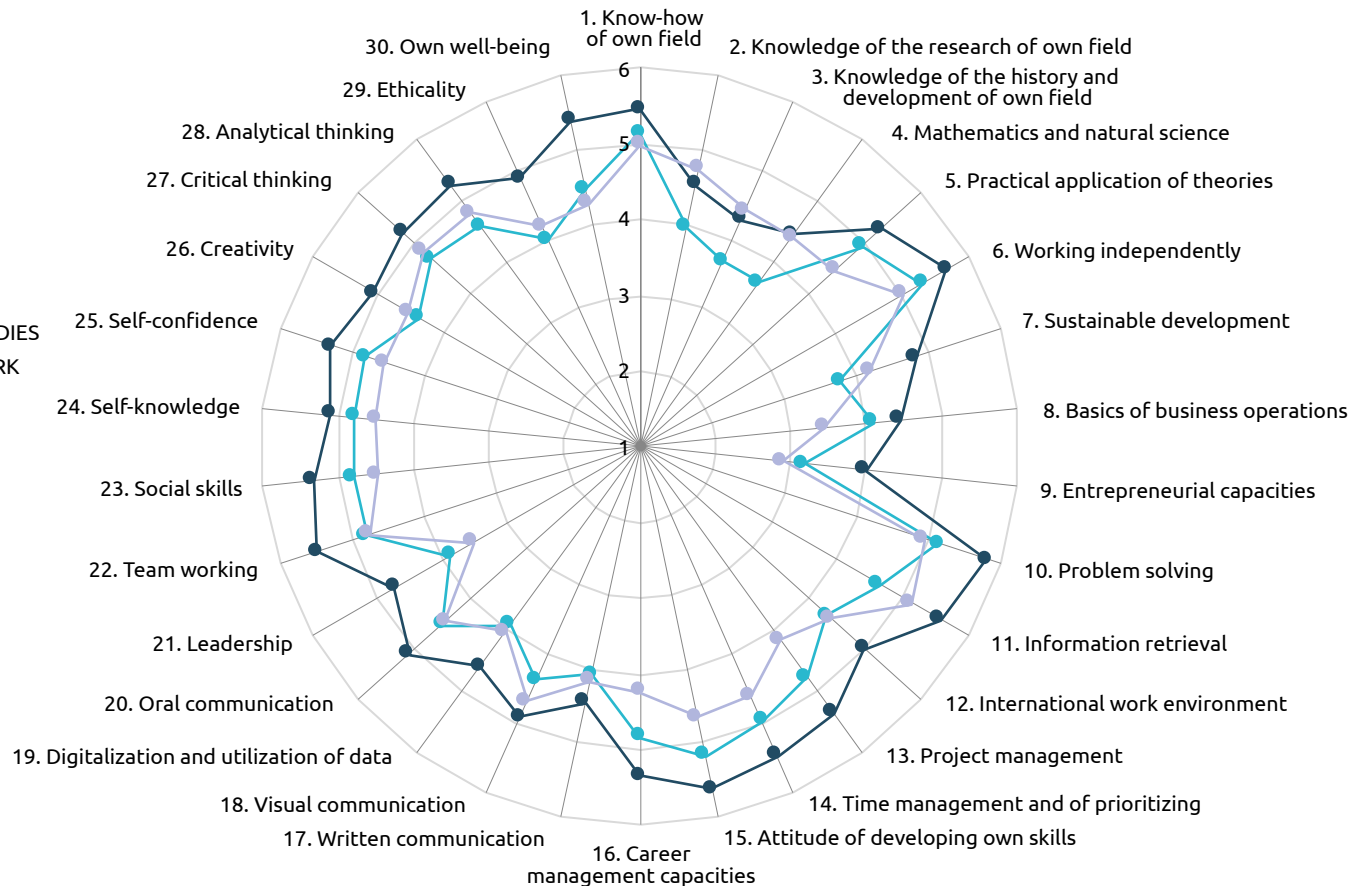
Expertise and skills

UO, n= 98

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SCALE
 1 = Not at all (important)
 2 = Very little
 3 = Little
 4 = Somewhat
 5 = Much
 6 = Very much
 (7 = Cannot answer)

● IMPORTANCE
 ● DEVELOPMENT IN STUDIES
 ● DEVELOPMENT IN WORK



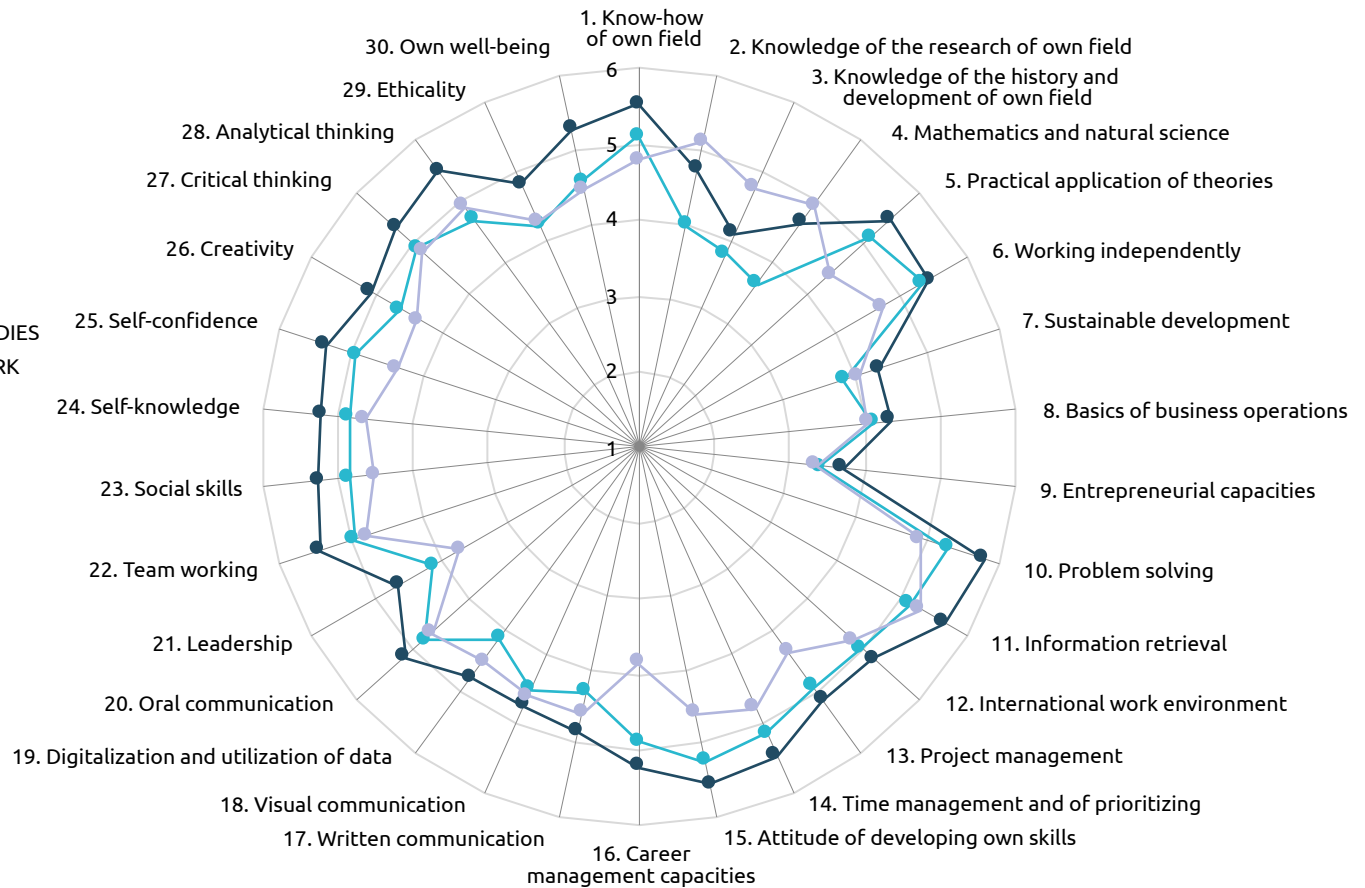
Expertise and skills

UTU, n= 48

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SCALE
 1 = Not at all (important)
 2 = Very little
 3 = Little
 4 = Somewhat
 5 = Much
 6 = Very much
 (7 = Cannot answer)

● IMPORTANCE
 ● DEVELOPMENT IN STUDIES
 ● DEVELOPMENT IN WORK



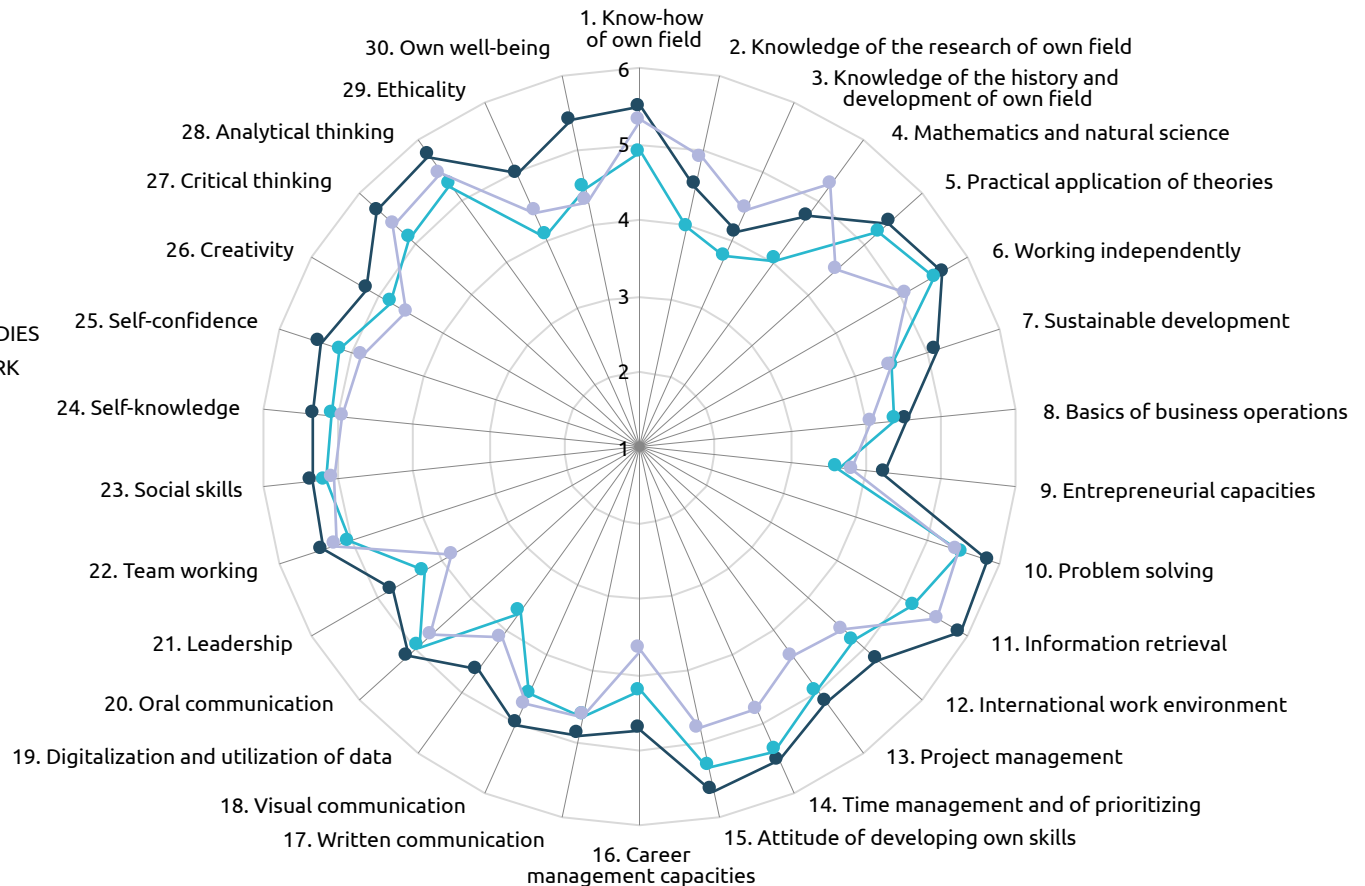
Expertise and skills

ÅAU, n= 44

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SCALE
 1 = Not at all (important)
 2 = Very little
 3 = Little
 4 = Somewhat
 5 = Much
 6 = Very much
 (7 = Cannot answer)

● IMPORTANCE
 ● DEVELOPMENT IN STUDIES
 ● DEVELOPMENT IN WORK



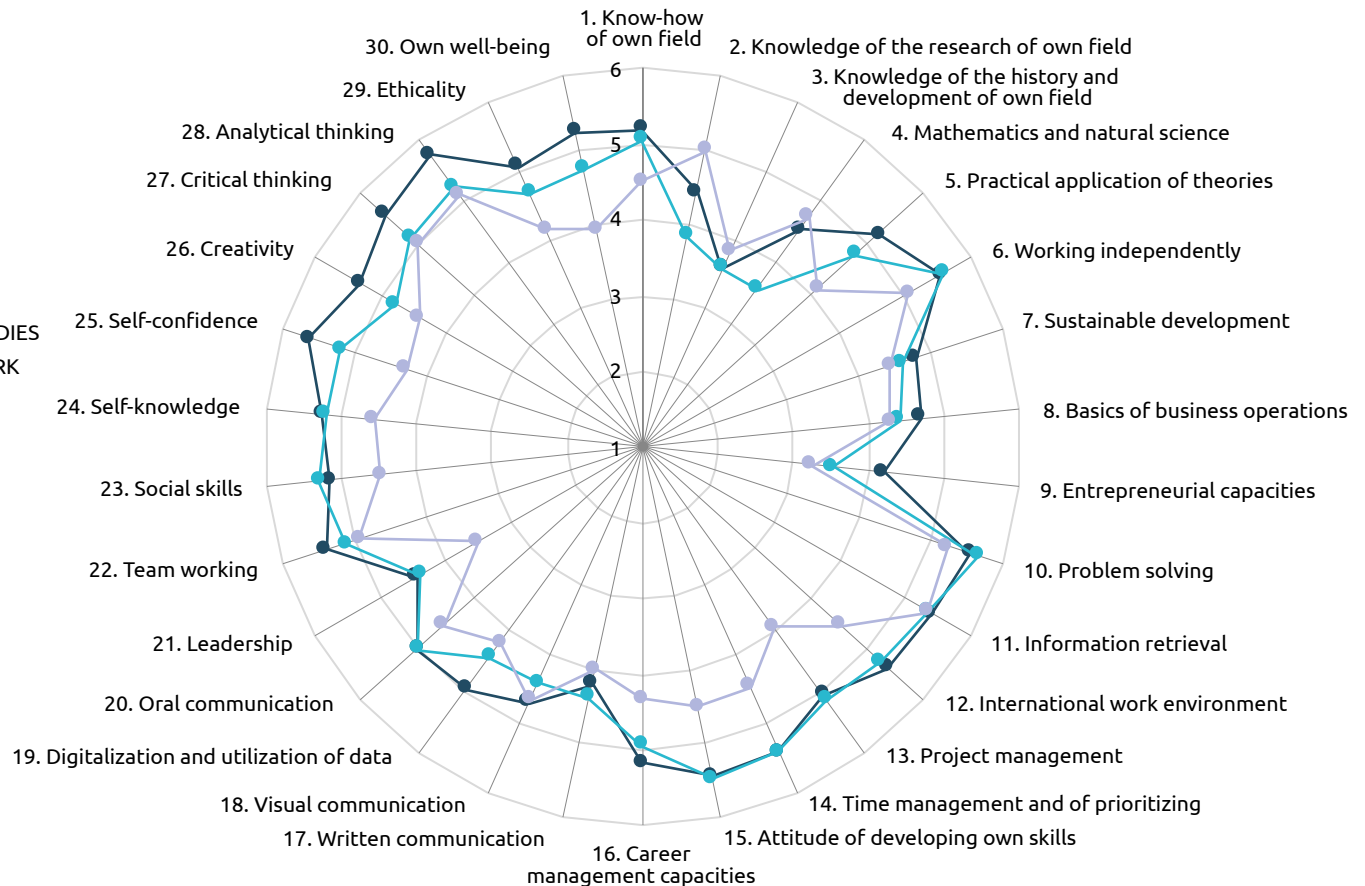
Expertise and skills

UV, n= 20

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SCALE
 1 = Not at all (important)
 2 = Very little
 3 = Little
 4 = Somewhat
 5 = Much
 6 = Very much
 (7 = Cannot answer)

● IMPORTANCE
 ● DEVELOPMENT IN STUDIES
 ● DEVELOPMENT IN WORK



4. Support and counseling

Level of support and counseling

Finding information

Information on job market and career planning

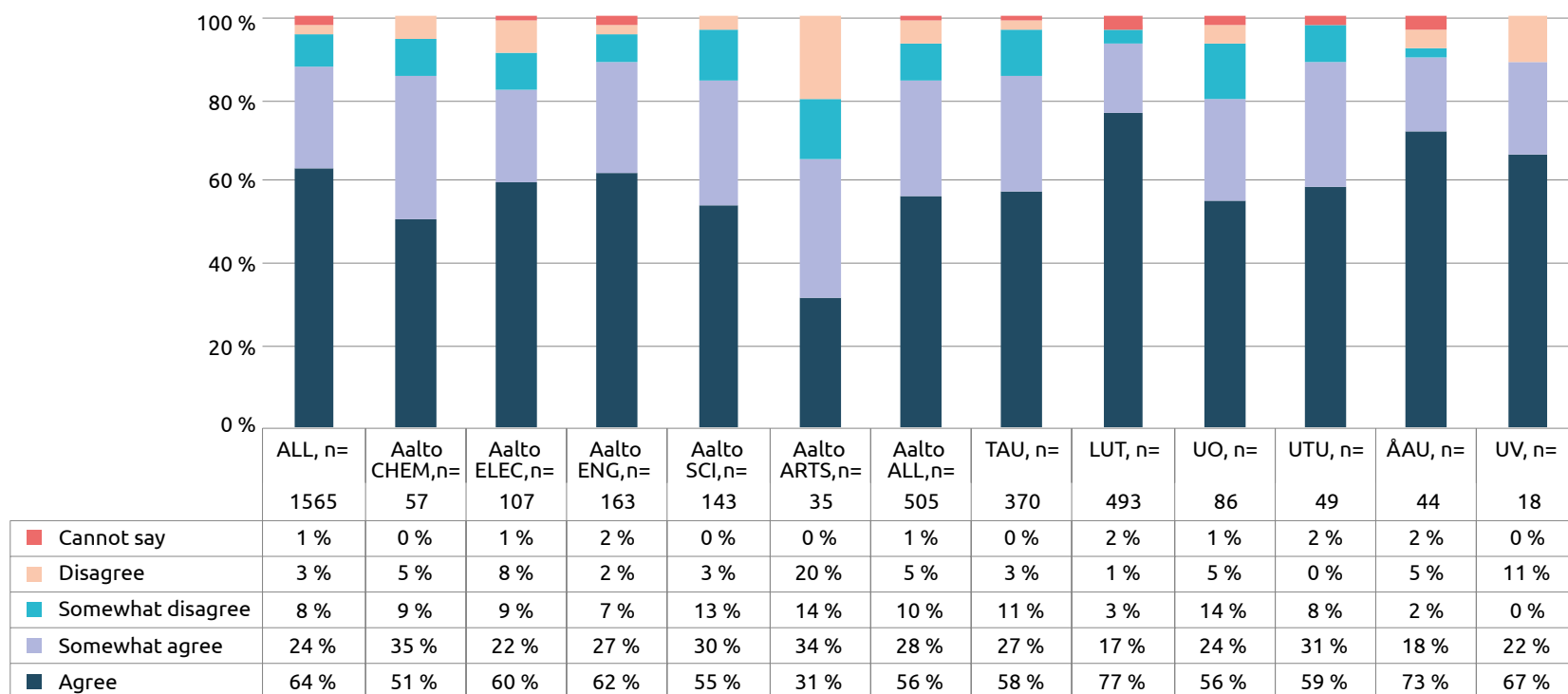
Learning environment



Level of support and counseling

I have felt comfortable at my university.

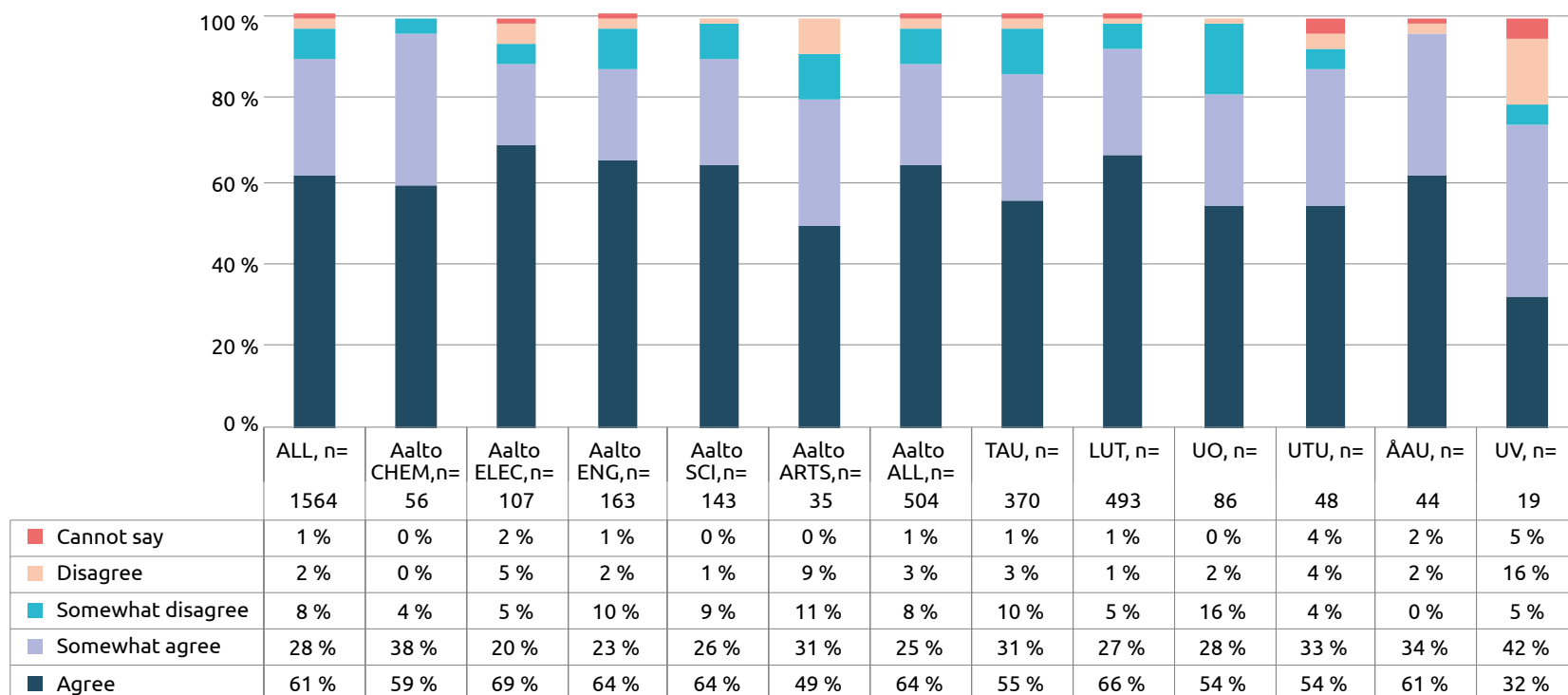
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Level of support and counseling

I am satisfied with my studies.

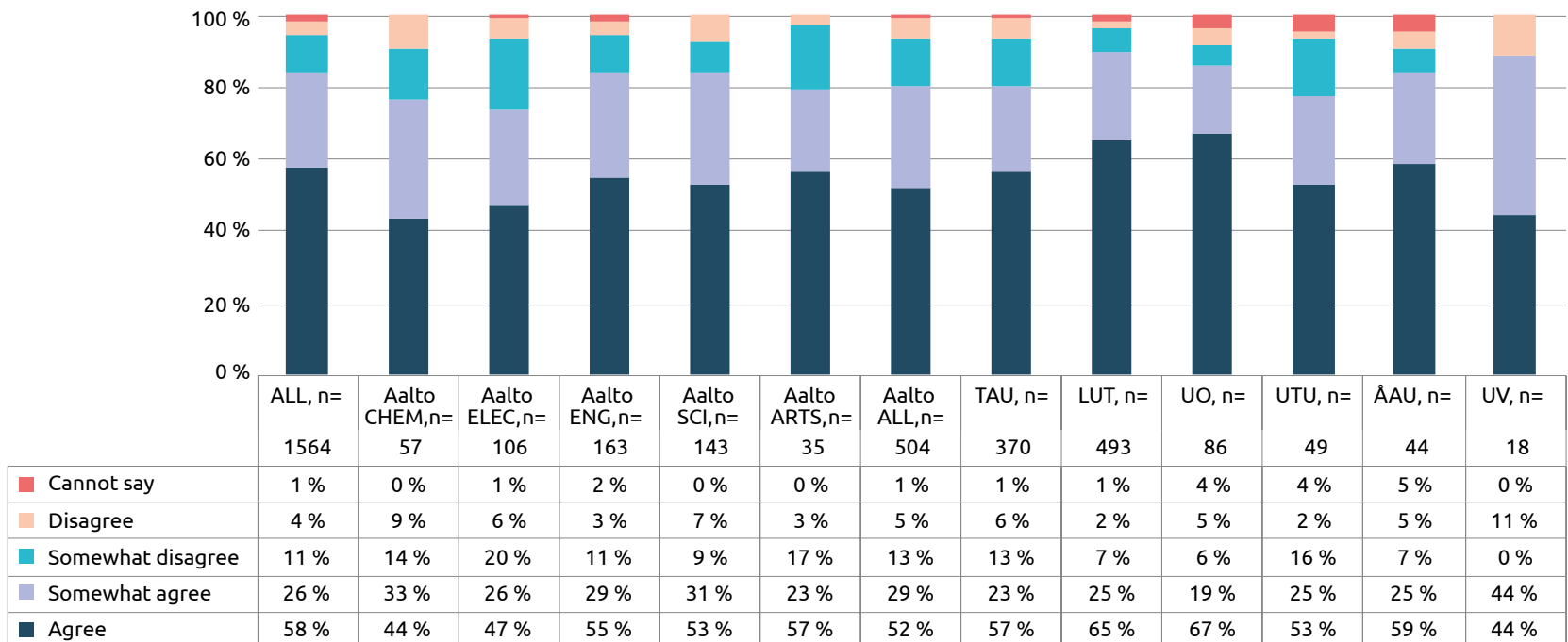
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Level of support and counseling

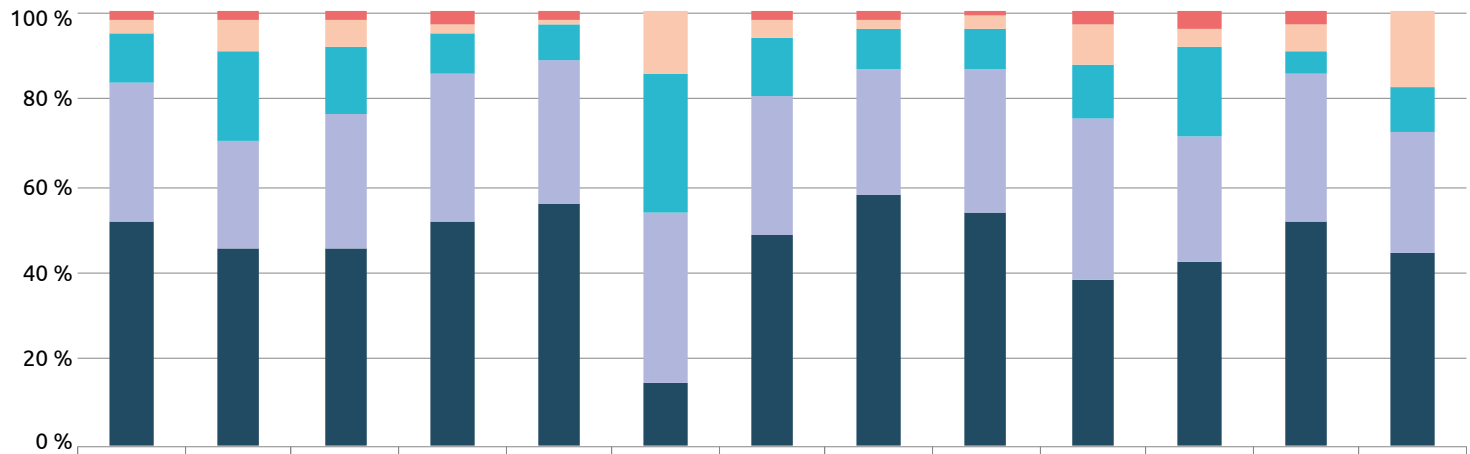
There has been sufficient guidance available for the preparation of my Master's thesis.

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Level of support and counseling

There has been sufficient guidance available for the organisation of my studies. ©TEK Graduate Survey 2022

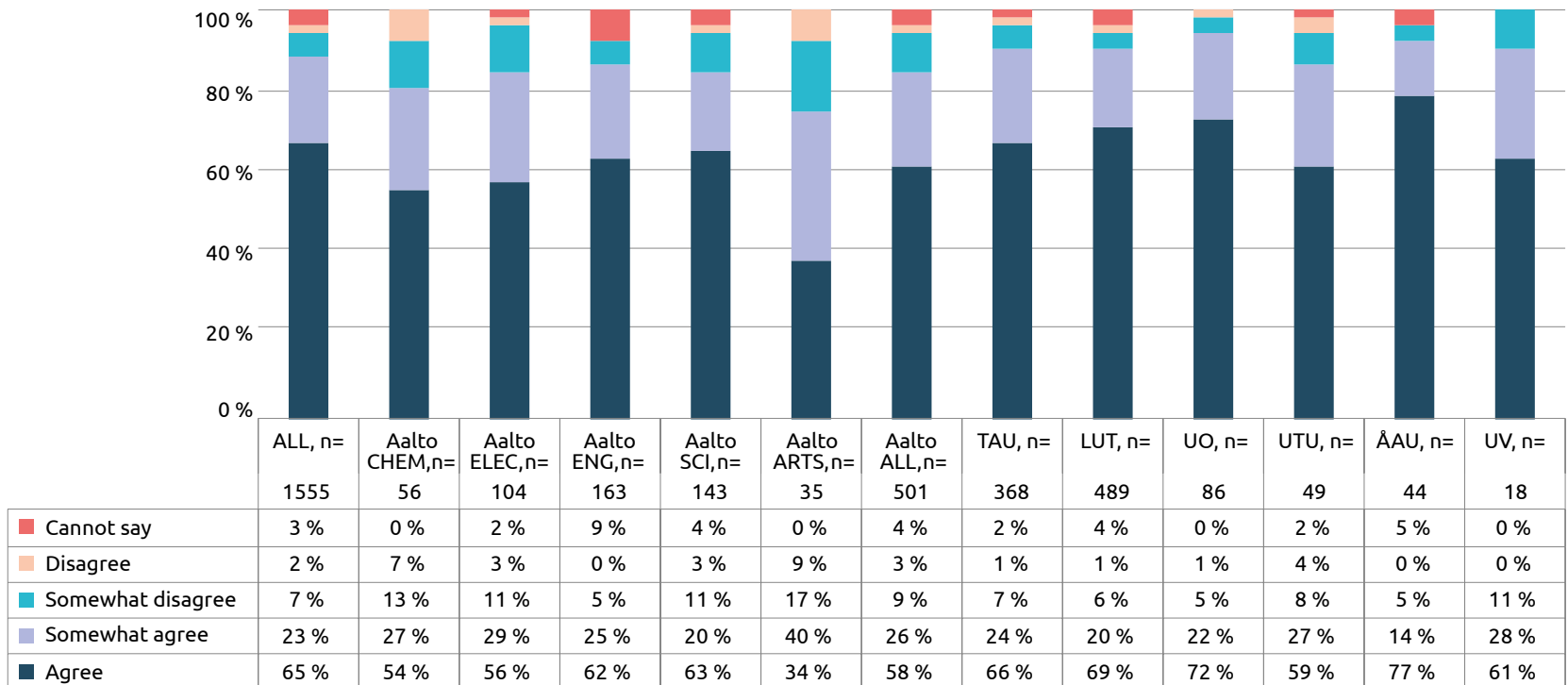


	ALL, n=	Aalto CHEM, n=	Aalto ELEC, n=	Aalto ENG, n=	Aalto SCI, n=	Aalto ARTS, n=	Aalto ALL, n=	TAU, n=	LUT, n=	UO, n=	UTU, n=	ÅAU, n=	UV, n=
	1562	57	105	163	142	35	502	370	493	86	49	44	18
Cannot say	2 %	2 %	2 %	3 %	1 %	0 %	2 %	1 %	1 %	2 %	4 %	2 %	0 %
Disagree	4 %	7 %	6 %	3 %	1 %	14 %	4 %	2 %	2 %	9 %	4 %	7 %	17 %
Somewhat disagree	11 %	21 %	16 %	9 %	8 %	31 %	13 %	9 %	9 %	13 %	20 %	5 %	11 %
Somewhat agree	32 %	25 %	31 %	34 %	34 %	40 %	33 %	29 %	33 %	37 %	29 %	34 %	28 %
Agree	52 %	46 %	46 %	52 %	56 %	14 %	48 %	58 %	54 %	38 %	43 %	52 %	44 %

Level of support and counseling

When needed, I have found a person whom to ask for help.

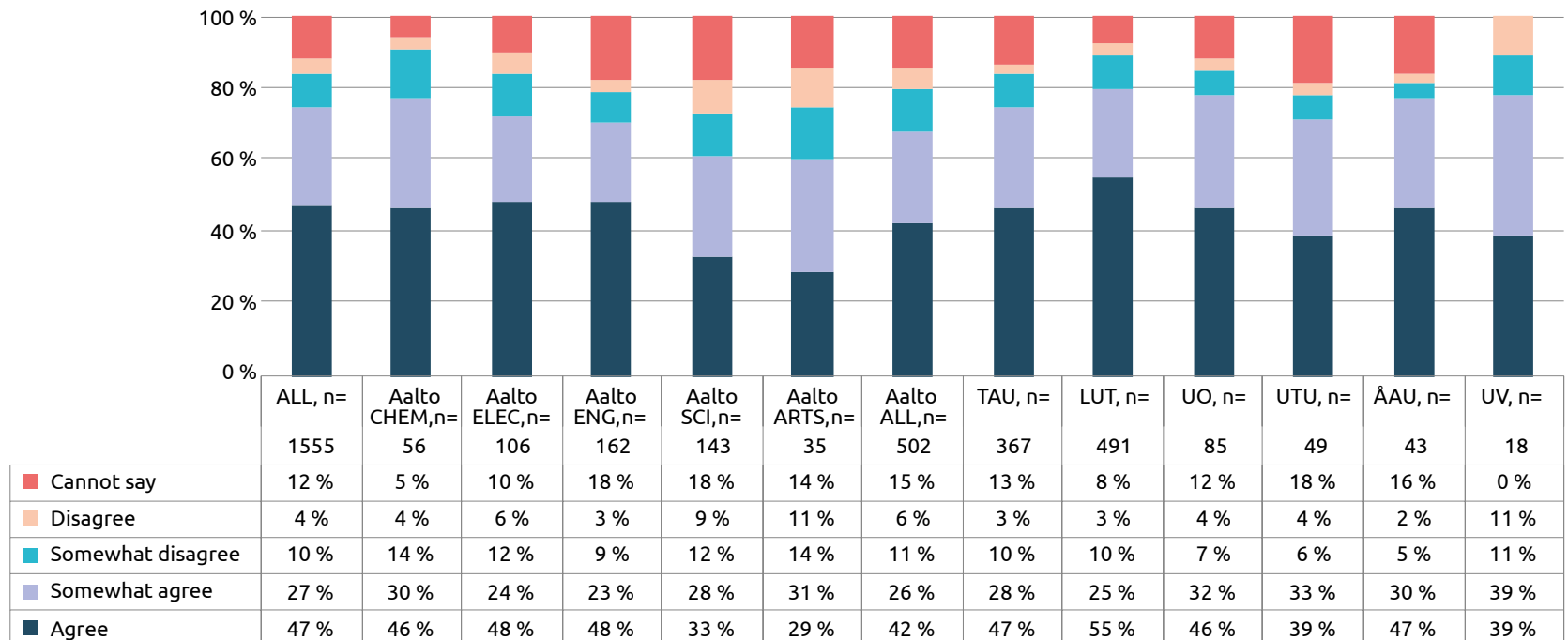
©TEK Graduate Survey 2022



Level of support and counseling

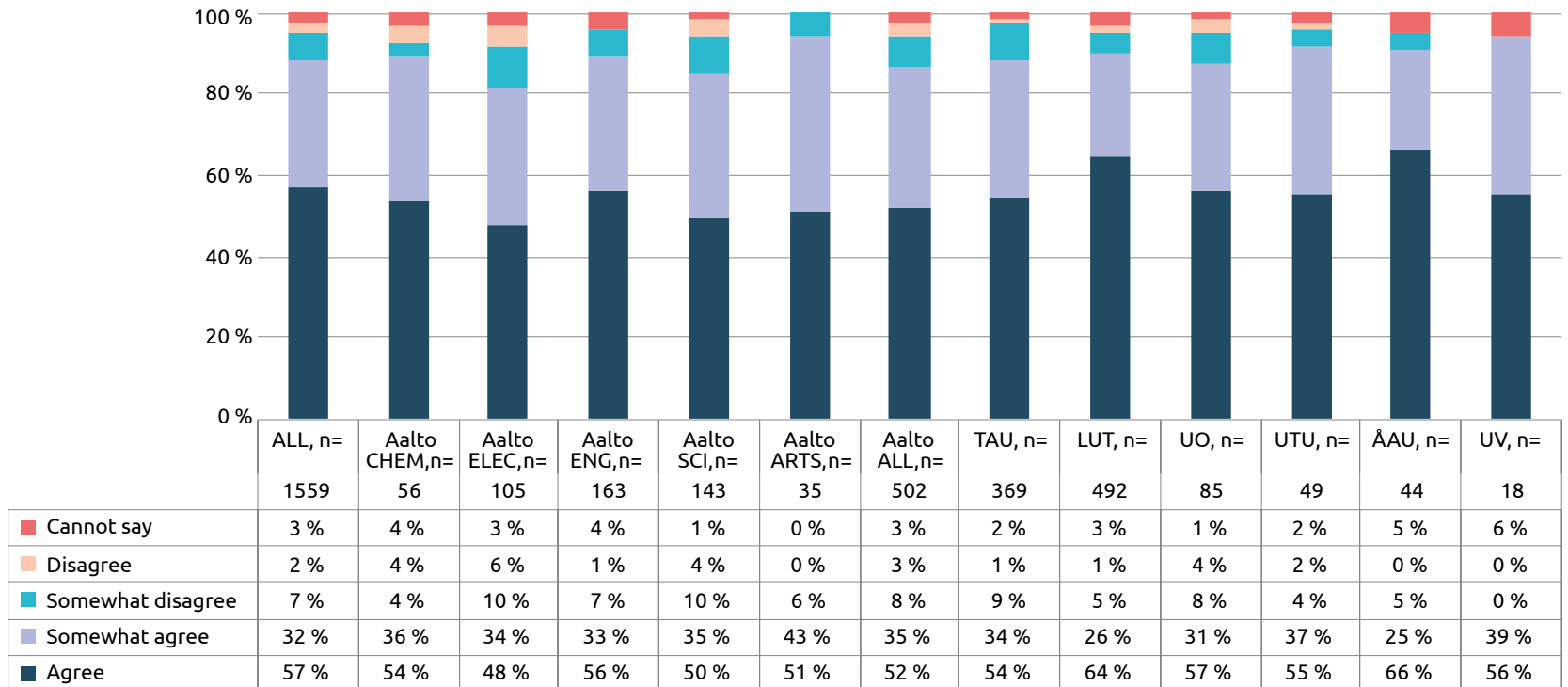
I have been satisfied with the opportunities I had to influence and participate in my study programme (e.g. planning, feedback).

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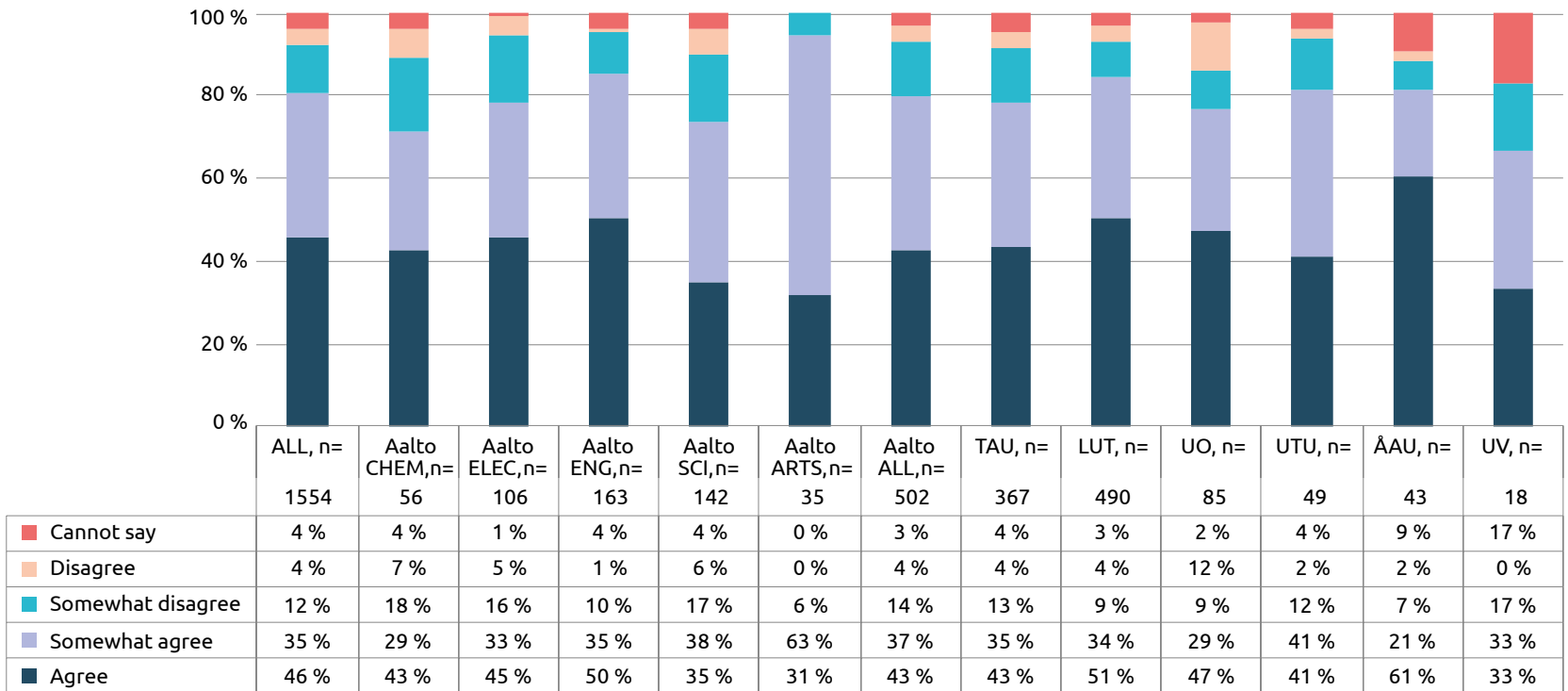
Level of support and counseling

I have been satisfied with the communication I have had with the teaching staff. ©TEK Graduate Survey 2022



Level of support and counseling

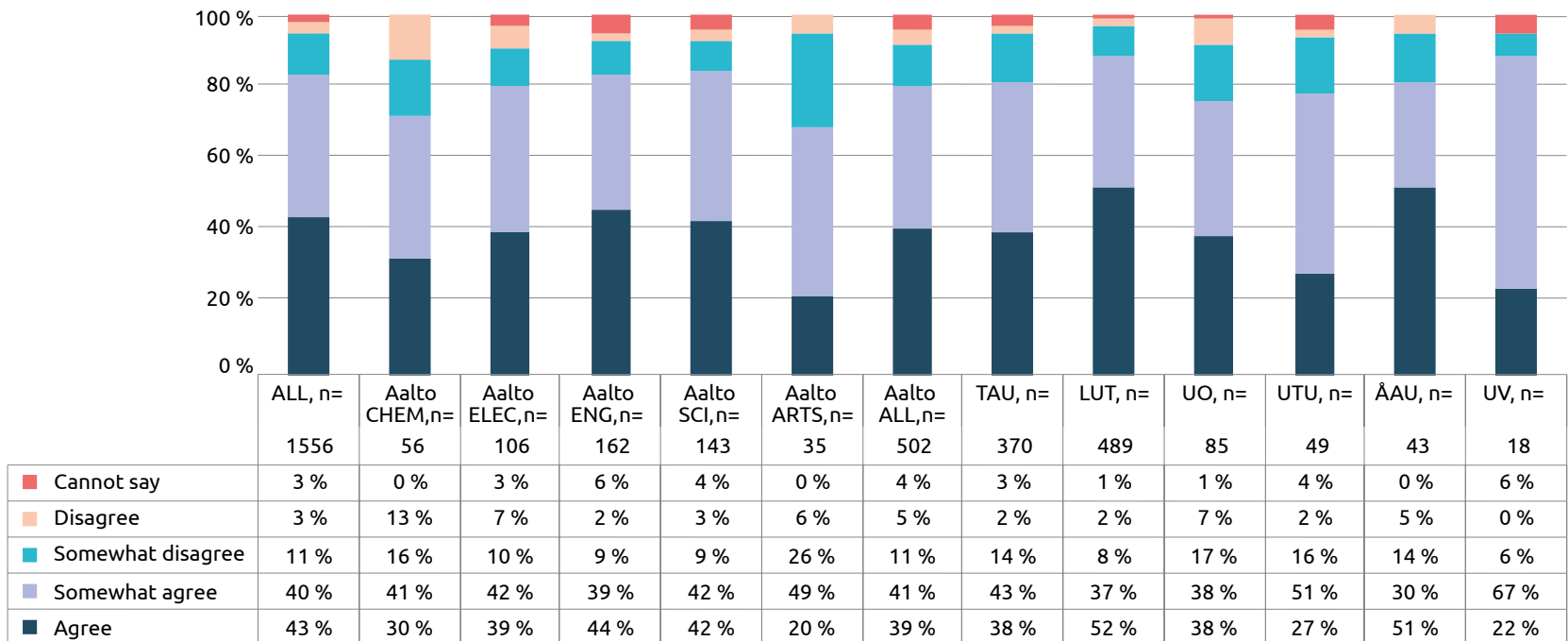
The feedback I received from the teaching staff has helped me with my studies. ©TEK Graduate Survey 2022



Finding information and support

It has been easy for me to find information and support regarding different aspects of my studies.

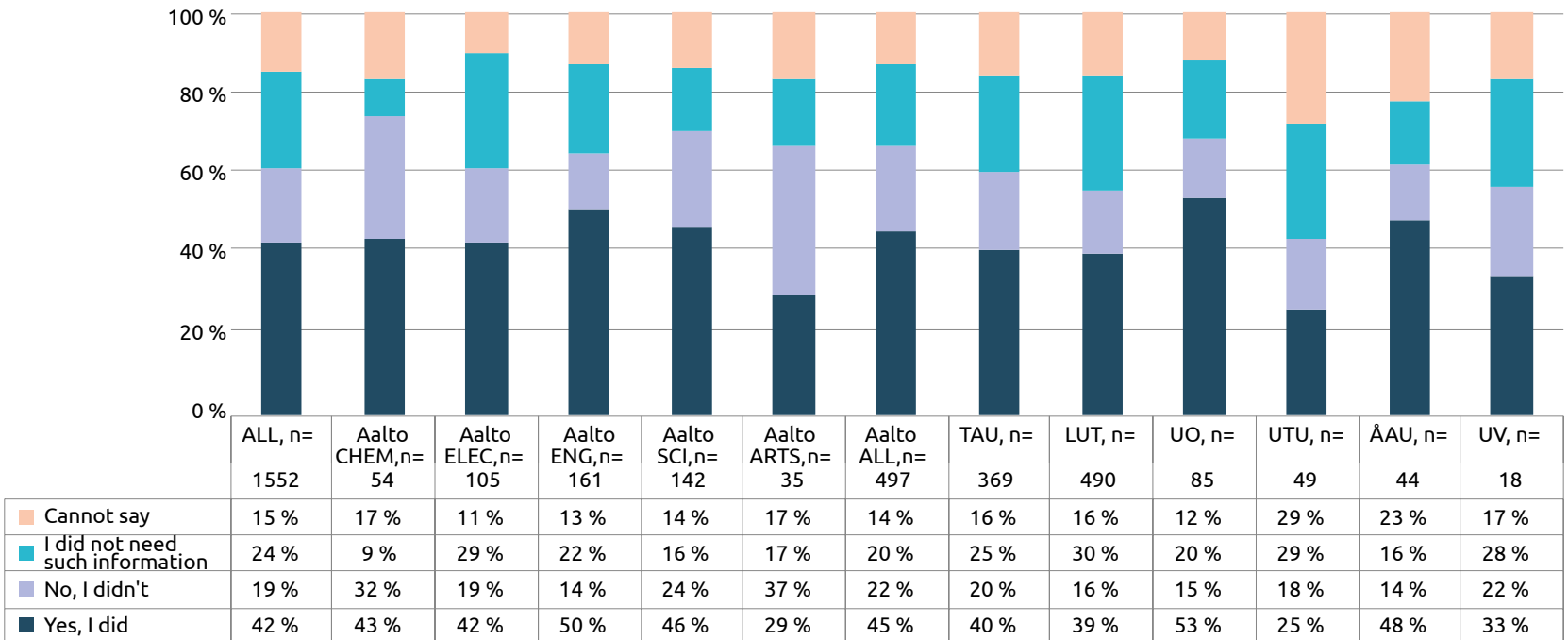
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Information on job market and career planning

Did you receive enough support for career planning and information on the job market in your own field?

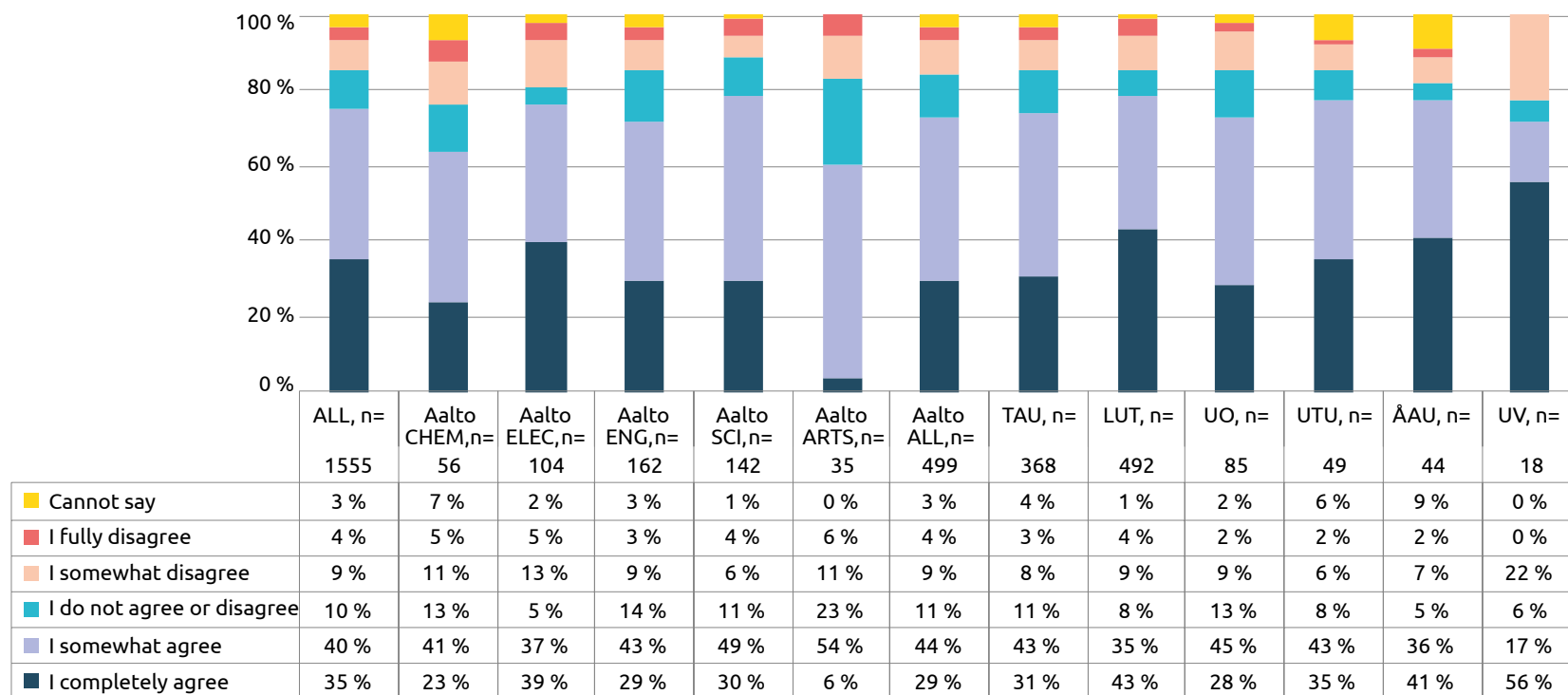
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Learning environment

Electronic learning environments have supported my learning well.

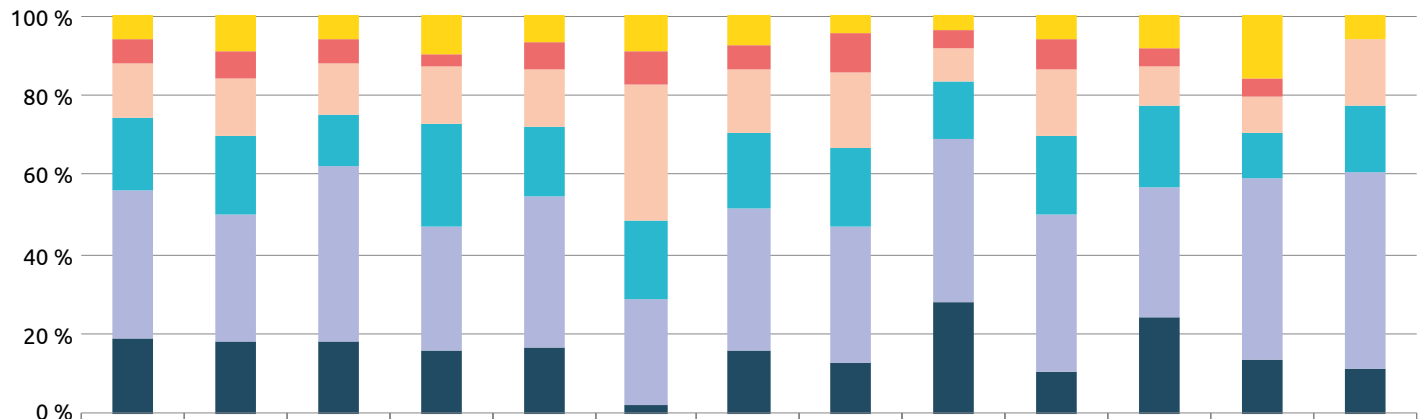
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Learning environment

Student information systems have supported my learning well.

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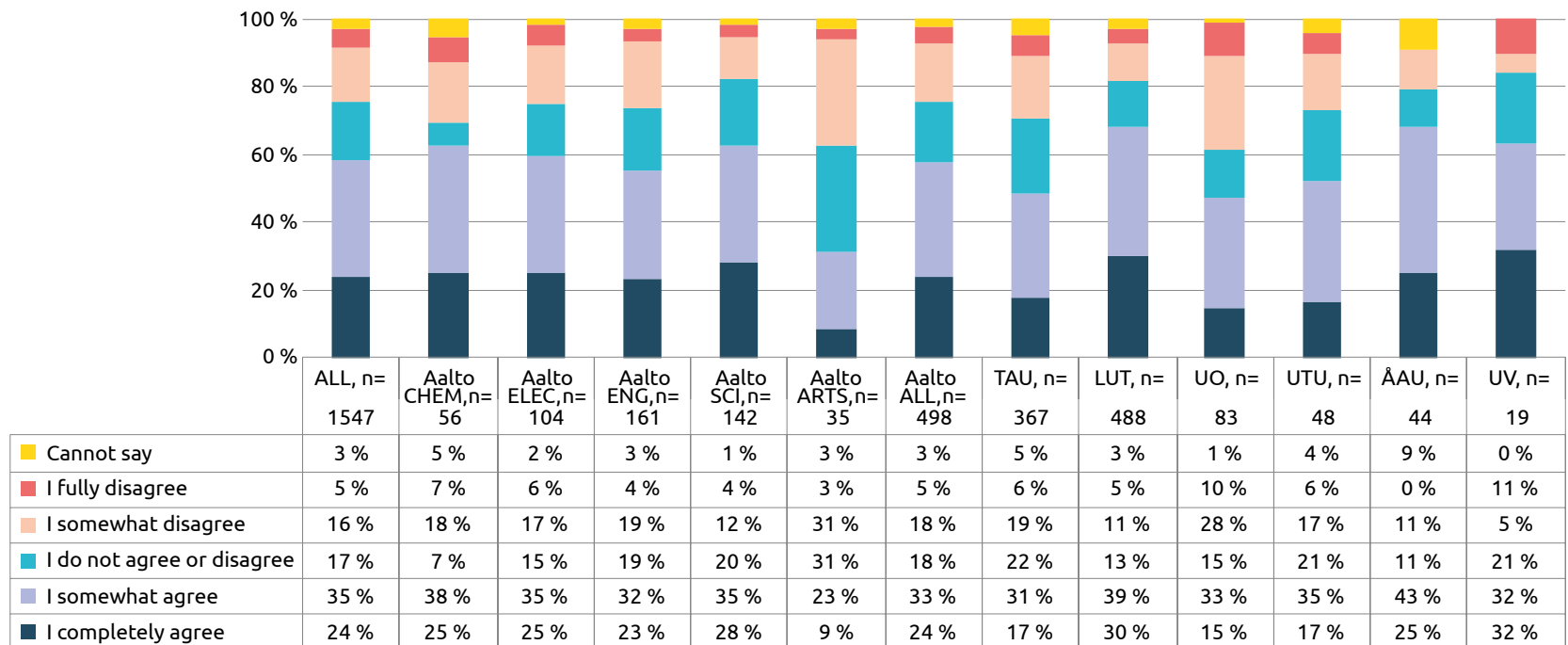


	ALL, n= 1550	Aalto CHEM, n= 56	Aalto ELEC, n= 104	Aalto ENG, n= 161	Aalto SCI, n= 142	Aalto ARTS, n= 35	Aalto ALL, n= 498	TAU, n= 367	LUT, n= 490	UO, n= 84	UTU, n= 49	ÅAU, n= 44	UV, n= 18
Cannot say	6 %	9 %	6 %	9 %	6 %	9 %	8 %	4 %	4 %	6 %	8 %	16 %	6 %
I fully disagree	6 %	7 %	6 %	4 %	7 %	9 %	6 %	10 %	5 %	7 %	4 %	5 %	0 %
I somewhat disagree	14 %	14 %	14 %	14 %	15 %	34 %	16 %	19 %	8 %	17 %	10 %	9 %	17 %
I do not agree or disagree	18 %	20 %	13 %	26 %	17 %	20 %	19 %	20 %	15 %	20 %	20 %	11 %	17 %
I somewhat agree	37 %	32 %	44 %	31 %	38 %	26 %	36 %	34 %	41 %	39 %	33 %	46 %	50 %
I completely agree	19 %	18 %	18 %	16 %	17 %	3 %	16 %	13 %	28 %	11 %	25 %	14 %	11 %

Learning environment

During my studies, I have received enough induction to the learning environments, systems and digital tools used in my university.

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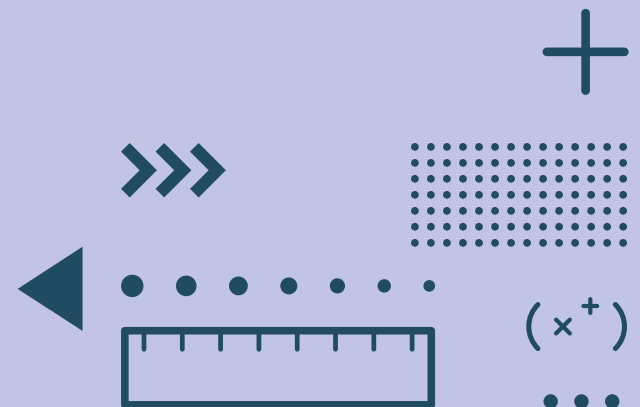
5. Well-being and coping

Load

Sleeping quality

Pressure from studies

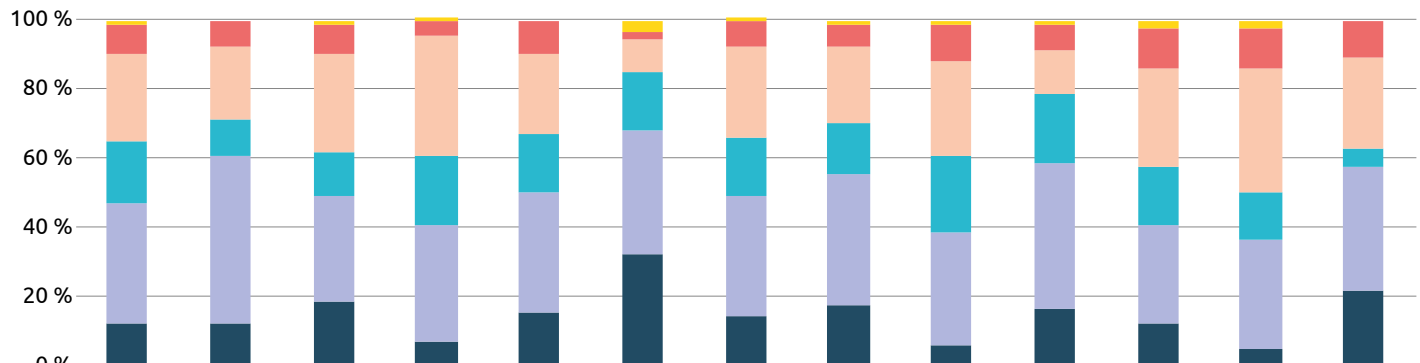
Coping



Well-being and coping

I have often felt like I am all over my head with the amount of work related to my studies.

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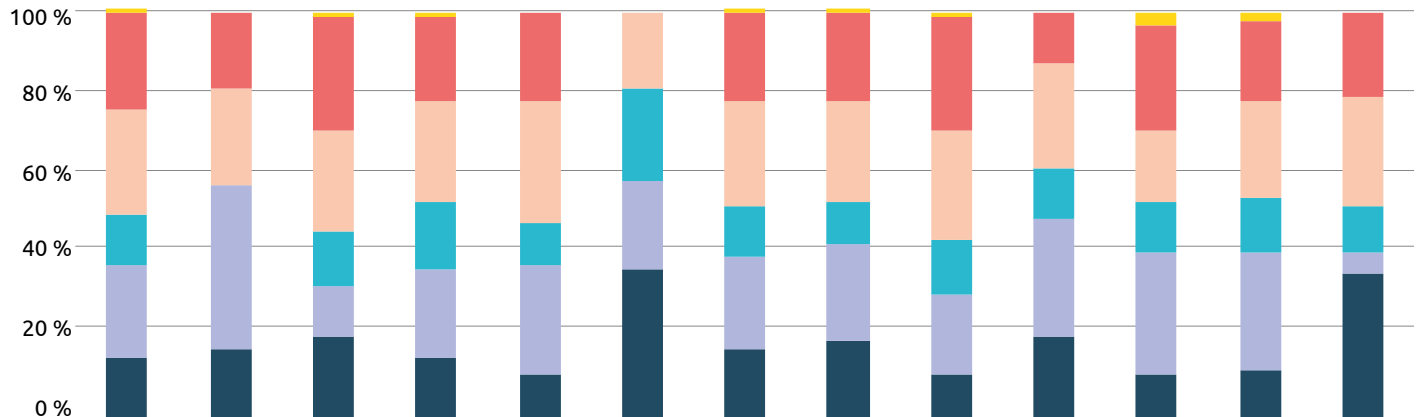


	ALL, n= 1555	Aalto CHEM, n= 56	Aalto ELEC, n= 105	Aalto ENG, n= 162	Aalto SCI, n= 143	Aalto ARTS, n= 34	Aalto ALL, n= 500	TAU, n= 367	LUT, n= 491	UO, n= 85	UTU, n= 49	ÅAU, n= 44	UV, n= 19
Cannot say	1 %	0 %	1 %	1 %	0 %	3 %	1 %	1 %	2 %	1 %	2 %	2 %	0 %
I fully disagree	8 %	7 %	9 %	4 %	10 %	3 %	7 %	7 %	10 %	7 %	12 %	11 %	11 %
I somewhat disagree	25 %	21 %	29 %	34 %	23 %	9 %	27 %	22 %	27 %	13 %	29 %	36 %	26 %
I do not agree or disagree	18 %	11 %	12 %	20 %	18 %	18 %	17 %	15 %	23 %	20 %	16 %	14 %	5 %
I somewhat agree	35 %	48 %	31 %	34 %	34 %	35 %	35 %	38 %	33 %	42 %	29 %	32 %	37 %
I completely agree	12 %	13 %	18 %	7 %	15 %	32 %	14 %	17 %	6 %	17 %	12 %	5 %	21 %

Well-being and coping

I have often slept poorly due to matters related to my studies.

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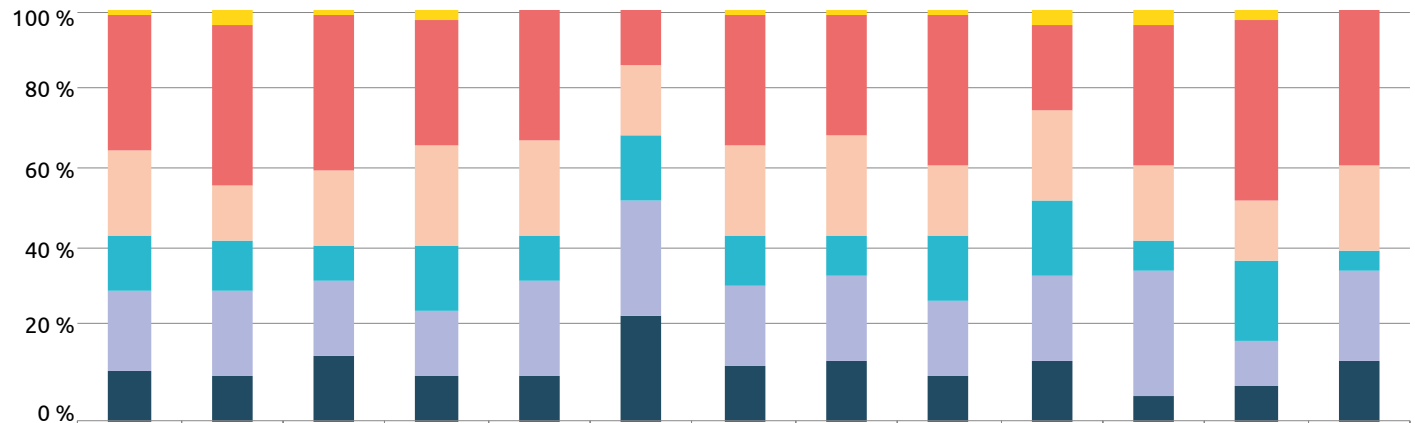


	ALL, n=	Aalto CHEM, n=	Aalto ELEC, n=	Aalto ENG, n=	Aalto SCI, n=	Aalto ARTS, n=	Aalto ALL, n=	TAU, n=	LUT, n=	UO, n=	UTU, n=	ÅAU, n=	UV, n=
	1554	56	105	162	143	35	501	367	490	85	49	44	18
Cannot say	1 %	0 %	1 %	1 %	0 %	0 %	1 %	1 %	1 %	0 %	4 %	2 %	0 %
I fully disagree	24 %	20 %	30 %	22 %	23 %	0 %	22 %	22 %	29 %	13 %	27 %	21 %	22 %
I somewhat disagree	27 %	25 %	26 %	26 %	31 %	20 %	27 %	26 %	28 %	27 %	18 %	25 %	28 %
I do not agree or disagree	13 %	0 %	13 %	17 %	11 %	23 %	13 %	11 %	14 %	13 %	12 %	14 %	11 %
I somewhat agree	24 %	41 %	13 %	22 %	27 %	23 %	24 %	25 %	21 %	29 %	31 %	30 %	6 %
I completely agree	12 %	14 %	17 %	12 %	8 %	34 %	14 %	16 %	7 %	18 %	8 %	9 %	33 %

Well-being and coping

Pressure from my studies has caused problems in my personal relationships.

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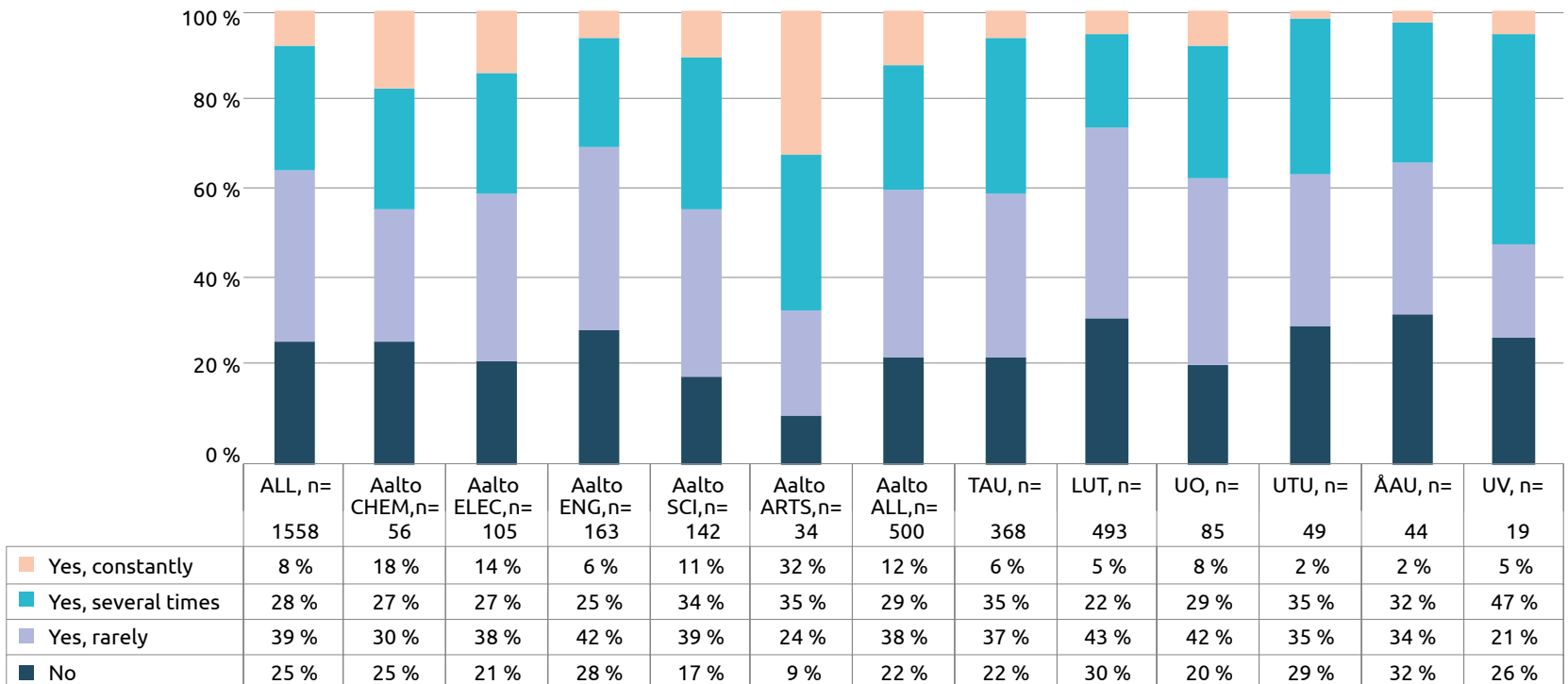


	ALL, n=1548	Aalto CHEM, n=56	Aalto ELEC, n=104	Aalto ENG, n=163	Aalto SCI, n=143	Aalto ARTS, n=35	Aalto ALL, n=501	TAU, n=365	LUT, n=487	UO, n=85	UTU, n=48	ÅAU, n=44	UV, n=18
Cannot say	2 %	4 %	1 %	2 %	0 %	0 %	1 %	2 %	1 %	4 %	4 %	2 %	0 %
I fully disagree	34 %	41 %	39 %	33 %	33 %	14 %	34 %	30 %	38 %	21 %	35 %	46 %	39 %
I somewhat disagree	22 %	14 %	19 %	25 %	25 %	17 %	22 %	26 %	19 %	24 %	19 %	16 %	22 %
I do not agree or disagree	14 %	13 %	10 %	17 %	11 %	17 %	13 %	10 %	17 %	19 %	8 %	21 %	6 %
I somewhat agree	21 %	21 %	18 %	17 %	25 %	29 %	21 %	23 %	18 %	22 %	31 %	11 %	22 %
I completely agree	9 %	7 %	13 %	7 %	7 %	23 %	9 %	10 %	8 %	11 %	2 %	5 %	11 %

Well-being and coping

Have you been worried about coping during your studies?

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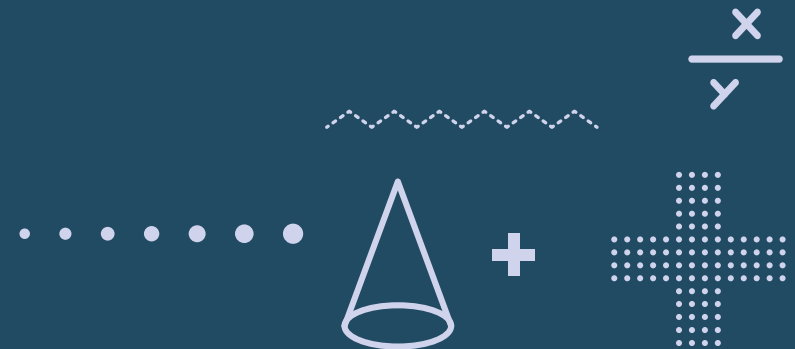
6. Master's thesis

Frame of collaboration

Duration

Financing

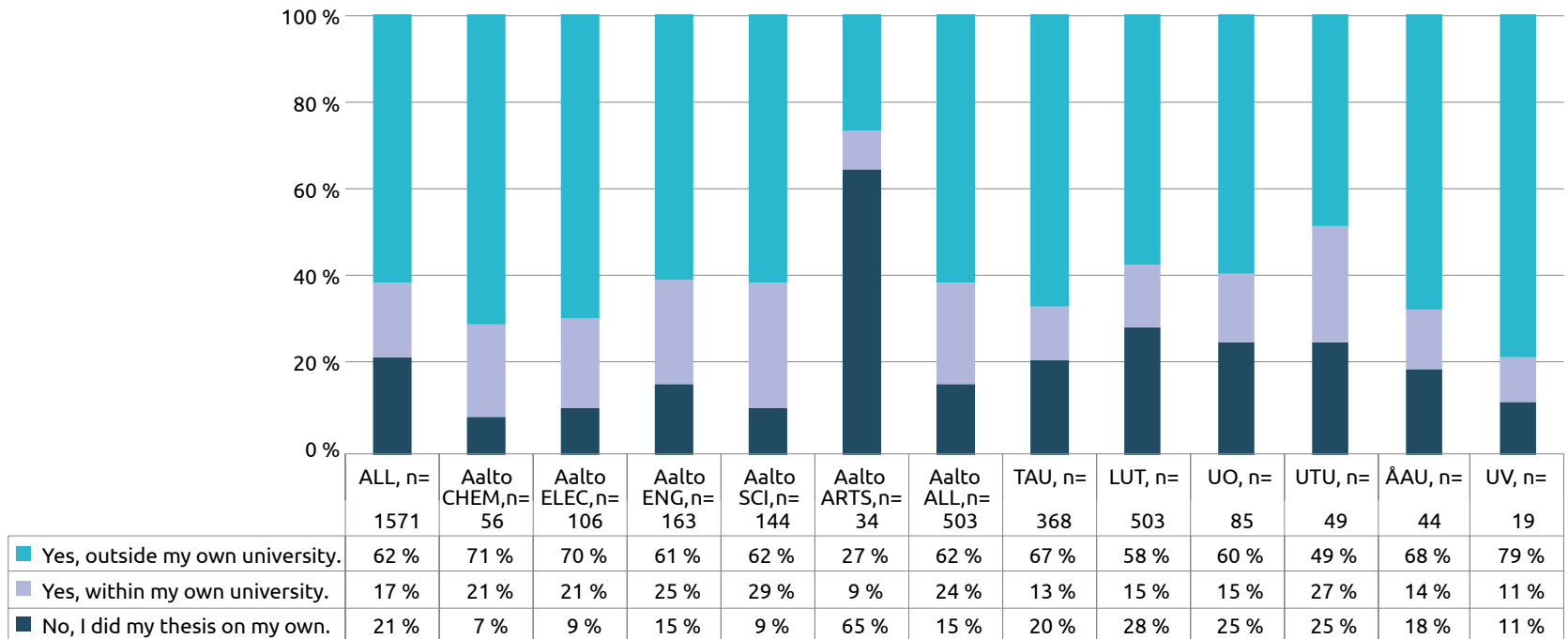
Support and supervision



Frame of collaboration

Did your Master's thesis involve collaboration within or outside of your university?

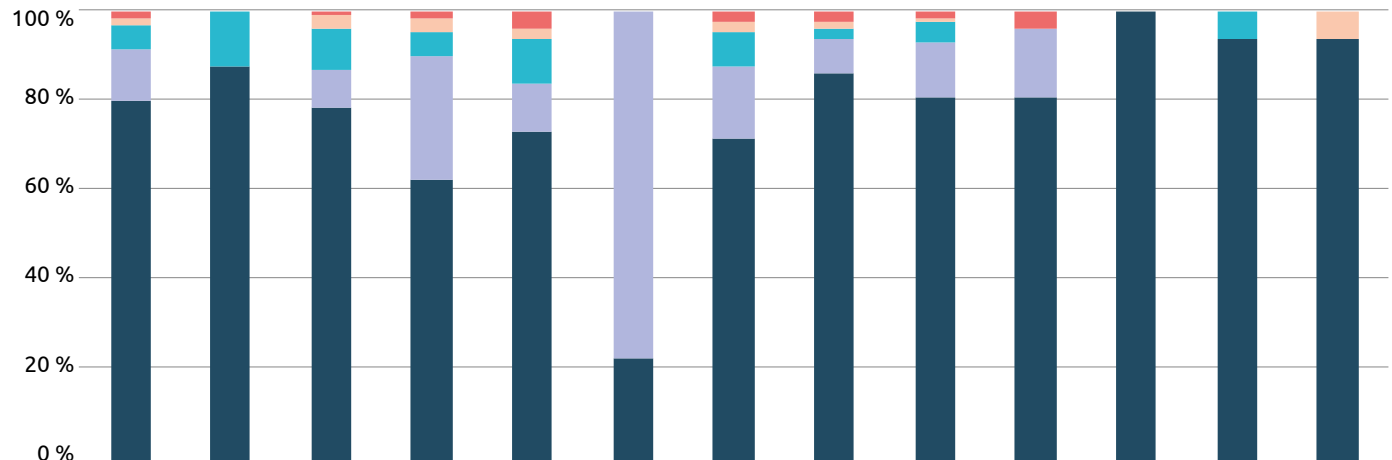
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Frame of collaboration

The non-university partner in my thesis was

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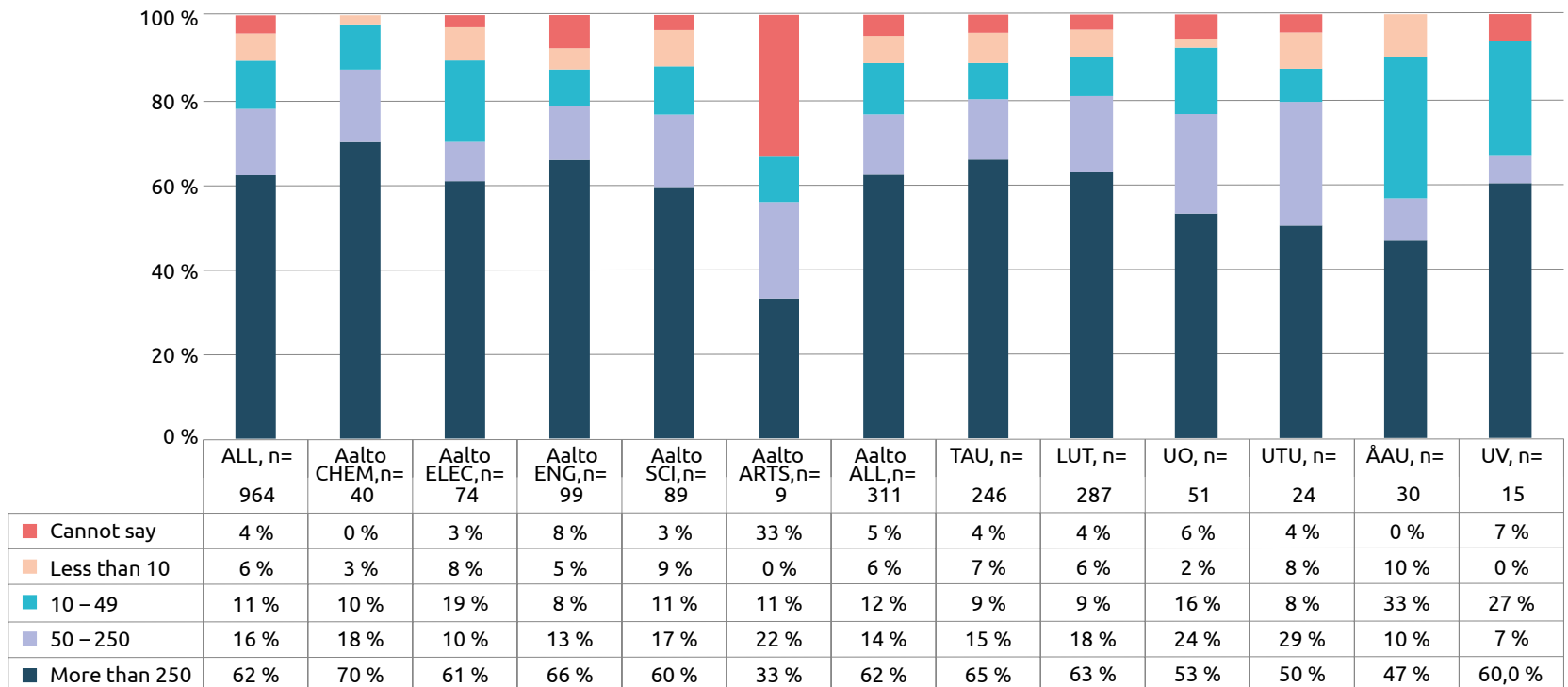


	ALL, n=963	Aalto CHEM, n=40	Aalto ELEC, n=74	Aalto ENG, n=98	Aalto SCI, n=89	Aalto ARTS, n=9	Aalto ALL, n=310	TAU, n=246	LUT, n=287	UO, n=51	UTU, n=24	ÅAU, n=30	UV, n=15
Something else	2 %	0 %	1 %	2 %	5 %	0 %	2 %	2 %	2 %	4 %	0 %	0 %	0 %
A third sector organisation or association	2 %	0 %	3 %	3 %	2 %	0 %	2 %	2 %	1 %	0 %	0 %	0 %	7 %
A research institute	5 %	13 %	10 %	5 %	10 %	0 %	8 %	3 %	5 %	0 %	0 %	7 %	0 %
A public sector organisation	12 %	0 %	8 %	28 %	10 %	78 %	16 %	8 %	13 %	16 %	0 %	0 %	0 %
A private sector firm	80 %	88 %	78 %	62 %	73 %	22 %	71 %	85 %	81 %	80 %	100 %	93 %	93 %

Frame of collaboration

The size of the partnering organization (amount of personnel)

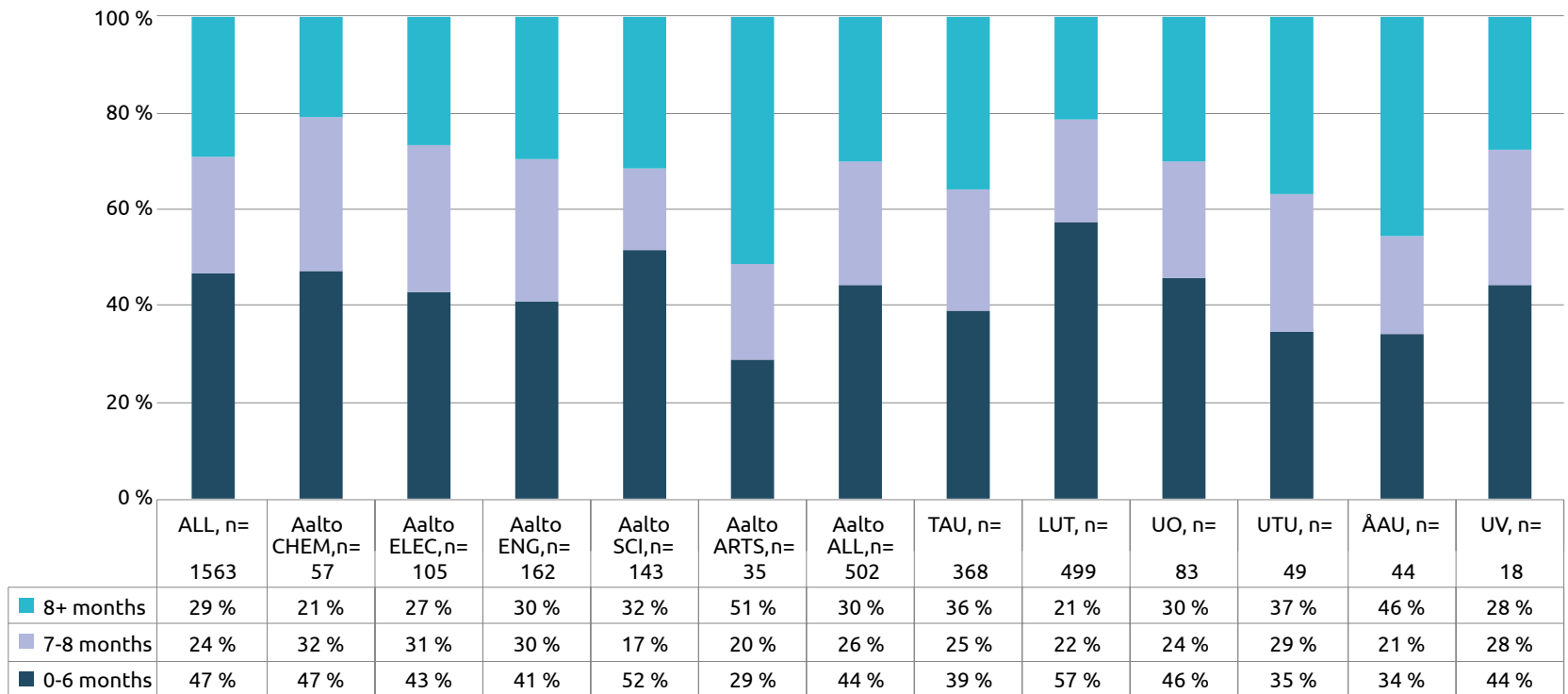
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Duration

How long did it take to complete your Master's thesis?

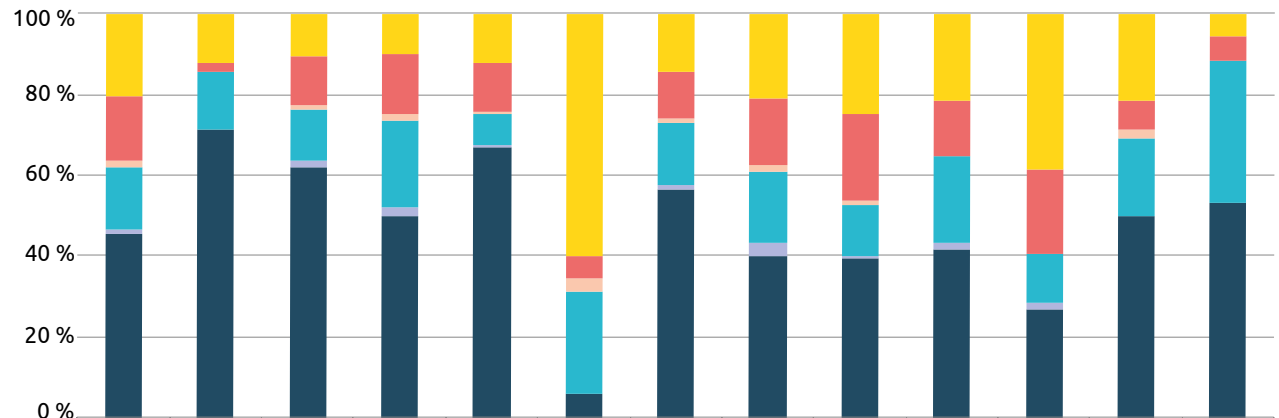
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Financing

Financing of your Master's thesis

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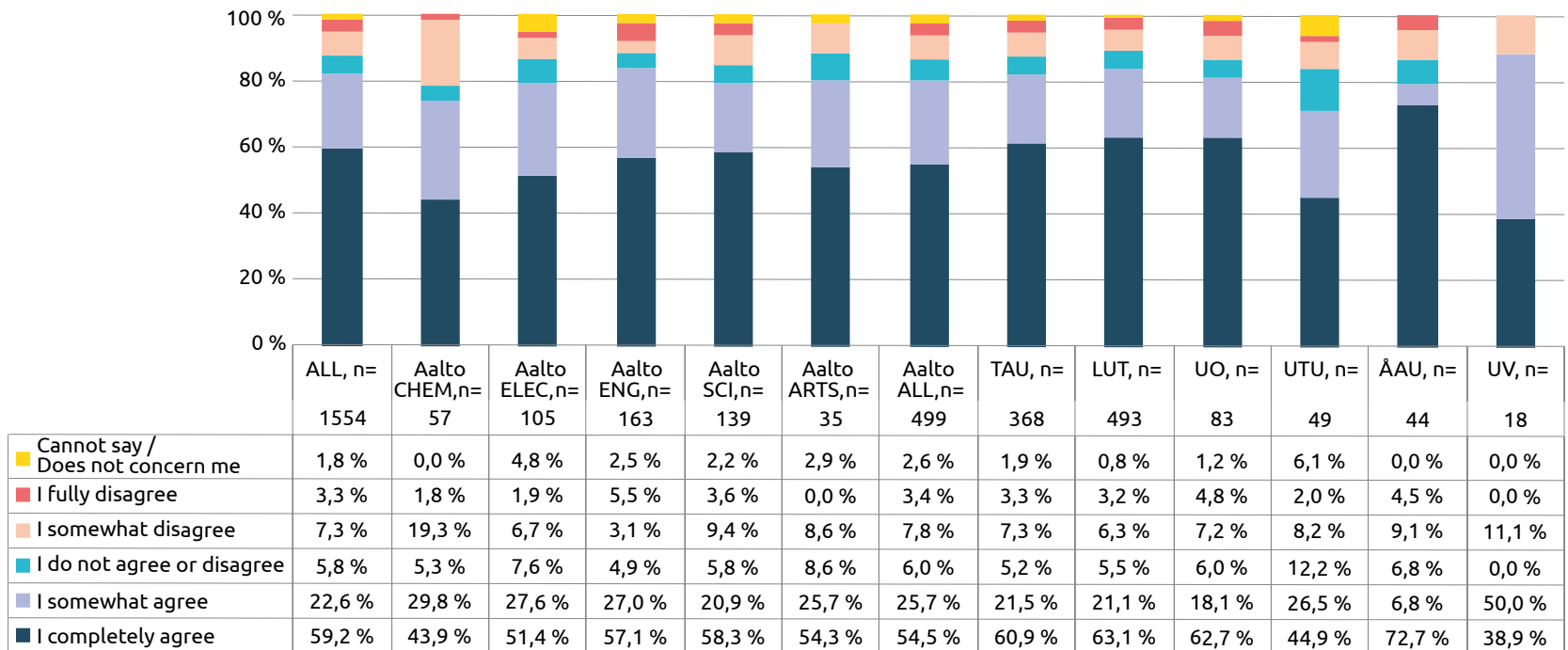


	ALL, n=1514	Aalto CHEM, n=56	Aalto ELEC, n=105	Aalto ENG, n=160	Aalto SCI, n=136	Aalto ARTS, n=35	Aalto ALL, n=492	TAU, n=357	LUT, n=478	UO, n=79	UTU, n=49	ÅAU, n=42	UV, n=17
I received no financing.	21 %	13 %	11 %	10 %	13 %	60 %	15 %	21 %	25 %	22 %	39 %	21 %	6 %
I did not get funding, but I was allowed to use my working time to do my thesis.	16 %	2 %	12 %	15 %	12 %	6 %	11 %	16 %	21 %	14 %	20 %	7 %	6 %
Some other way	1 %	0 %	1 %	1 %	1 %	3 %	1 %	2 %	1 %	0 %	0 %	2 %	0 %
Scholarship / Grant	16 %	14 %	12 %	22 %	7 %	26 %	15 %	18 %	13 %	22 %	12 %	19 %	35 %
Hourly salary	1 %	0 %	2 %	2 %	1 %	0 %	1 %	3 %	0 %	1 %	2 %	0 %	0 %
Monthly salary	45 %	71 %	62 %	50 %	67 %	6 %	57 %	40 %	40 %	42 %	27 %	50 %	53 %

Support and supervision

The guidance I received from the university was well organised and informative.

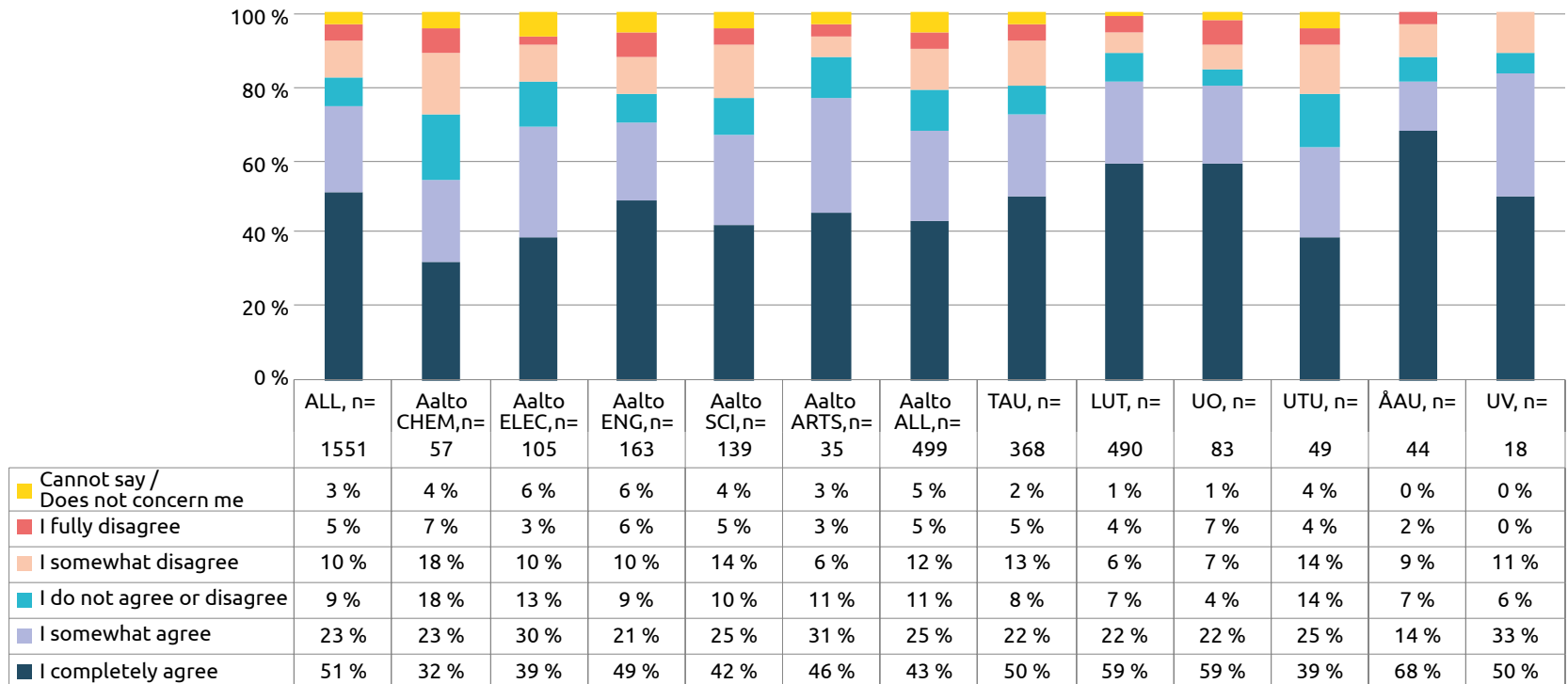
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Support and supervision

I received sufficiently guidance from the university.

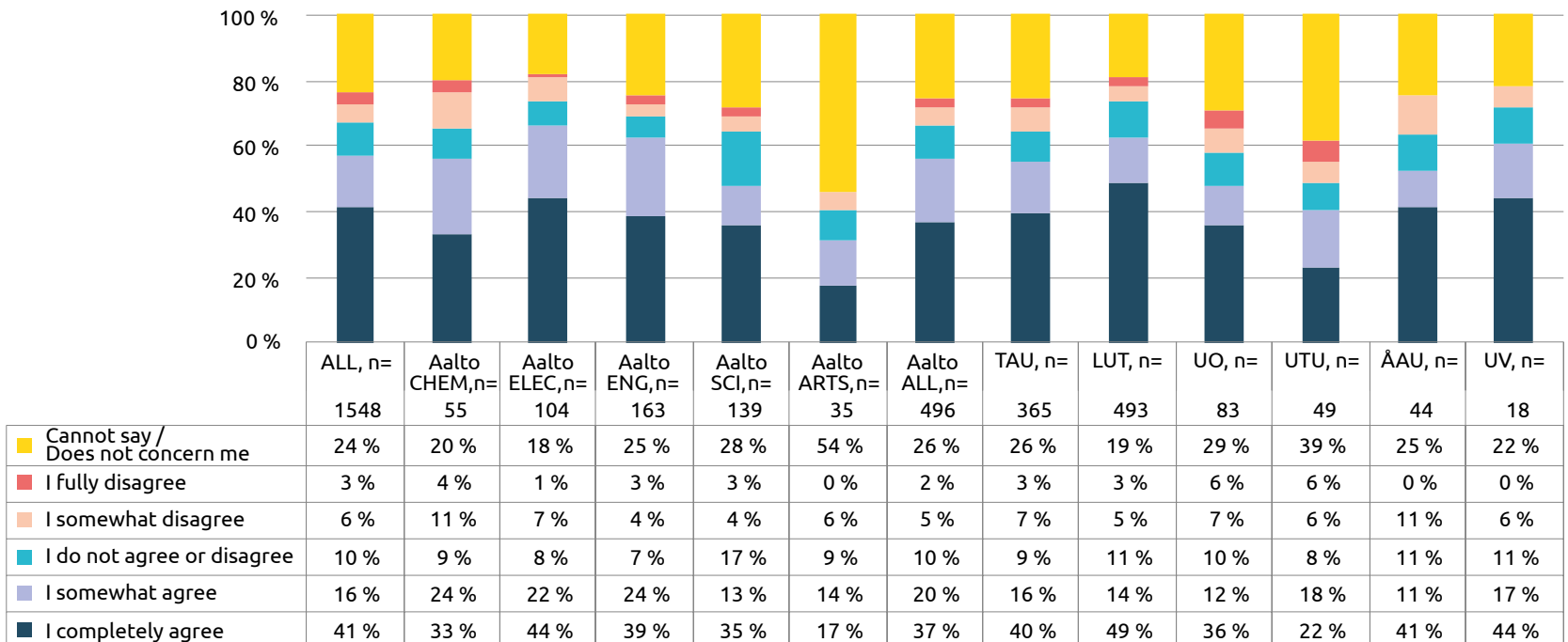
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Support and supervision

Cooperation between the university and the partnering organization carried out well in guiding the thesis work.

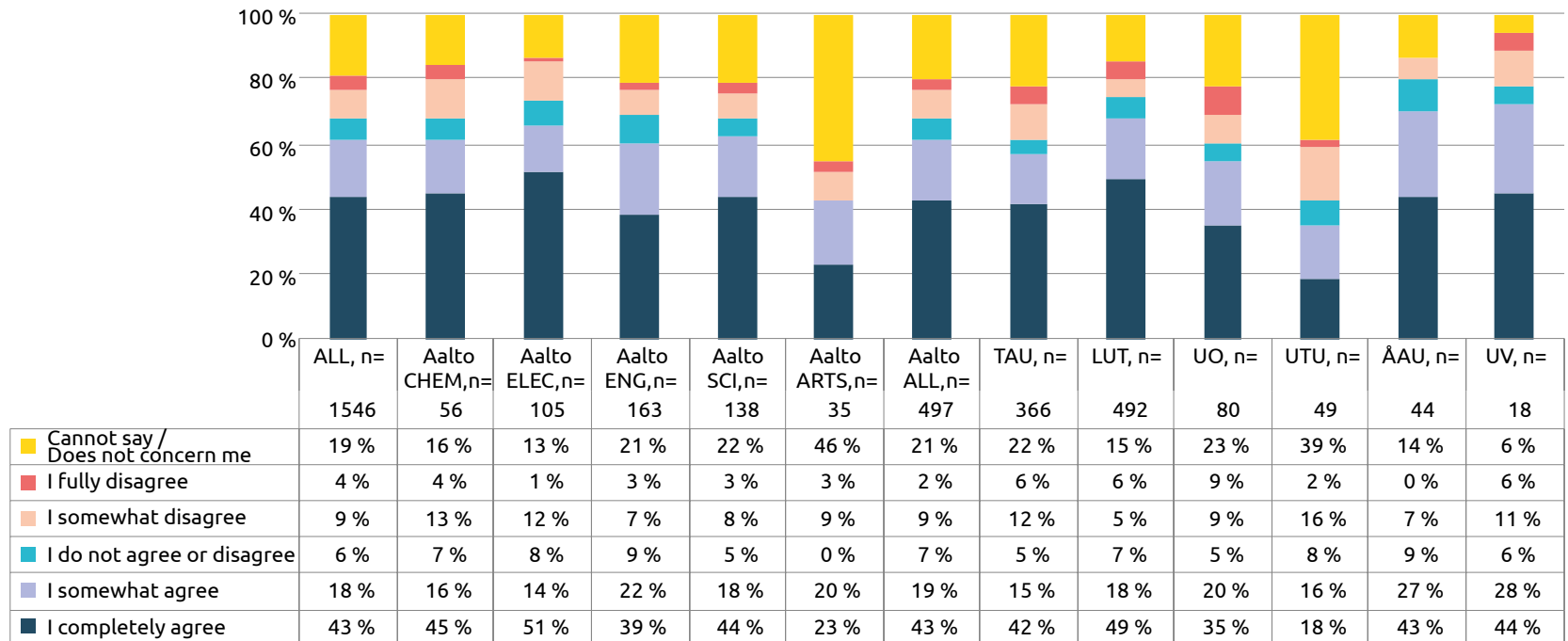
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Support and supervision

I received sufficiently guidance from the partnering organization for my thesis work.

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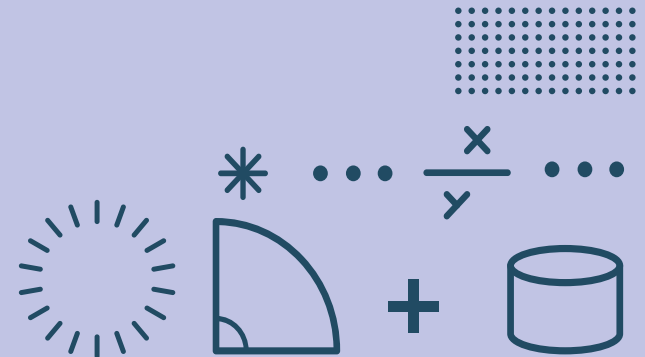
7. Working during the studies

Work experience gained during the studies

Working and progress of the studies

The importance of work experience

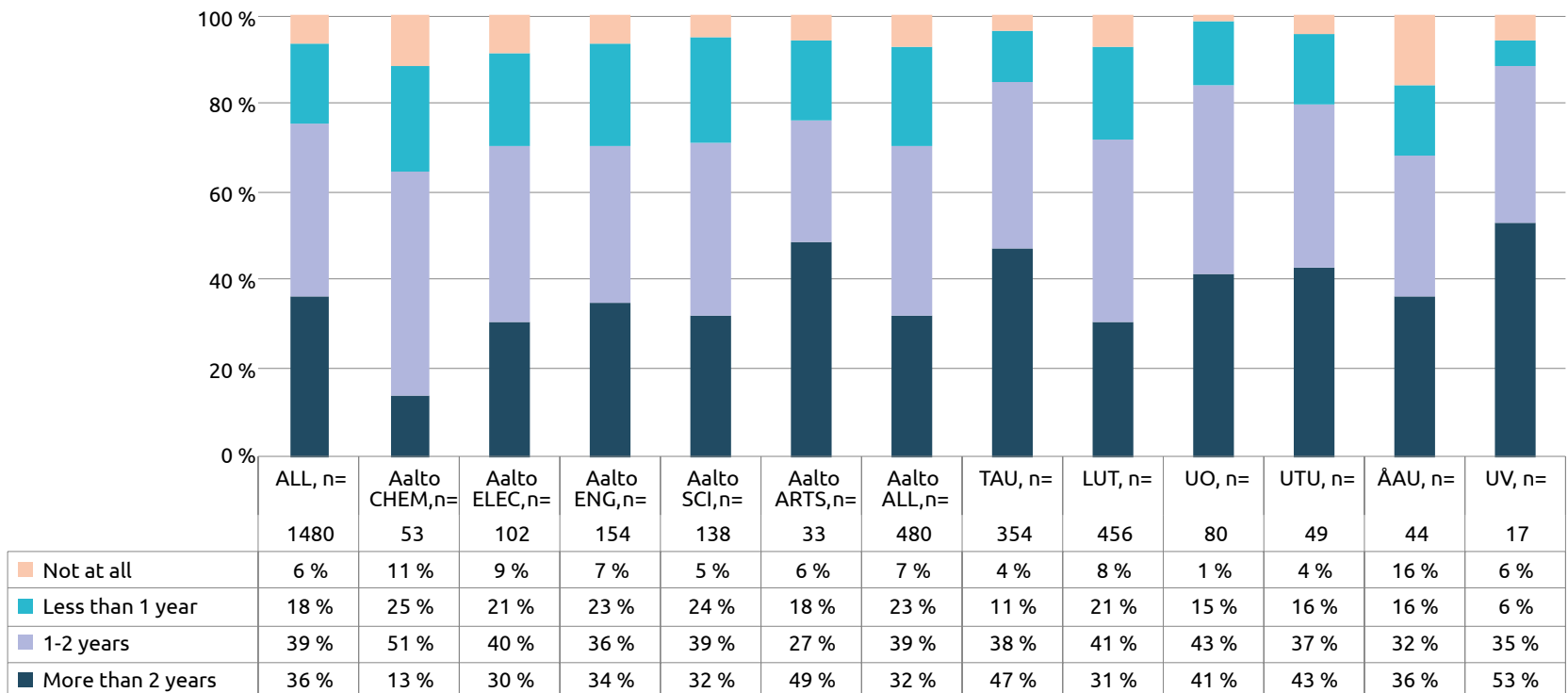
Voluntary engagement and activity



Work experience gained during the studies

All work experience

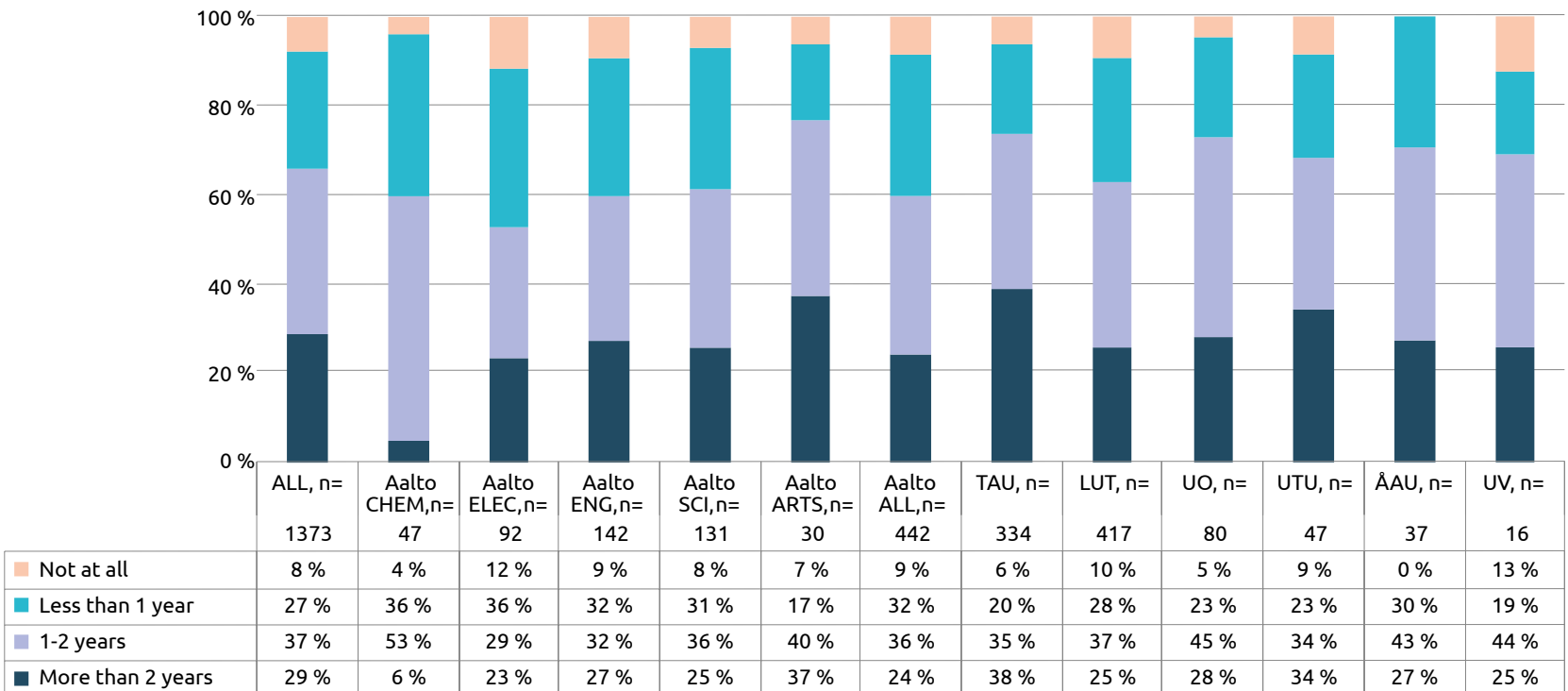
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Work experience gained during the studies

Work experience of own field (excl. M.Sc thesis)

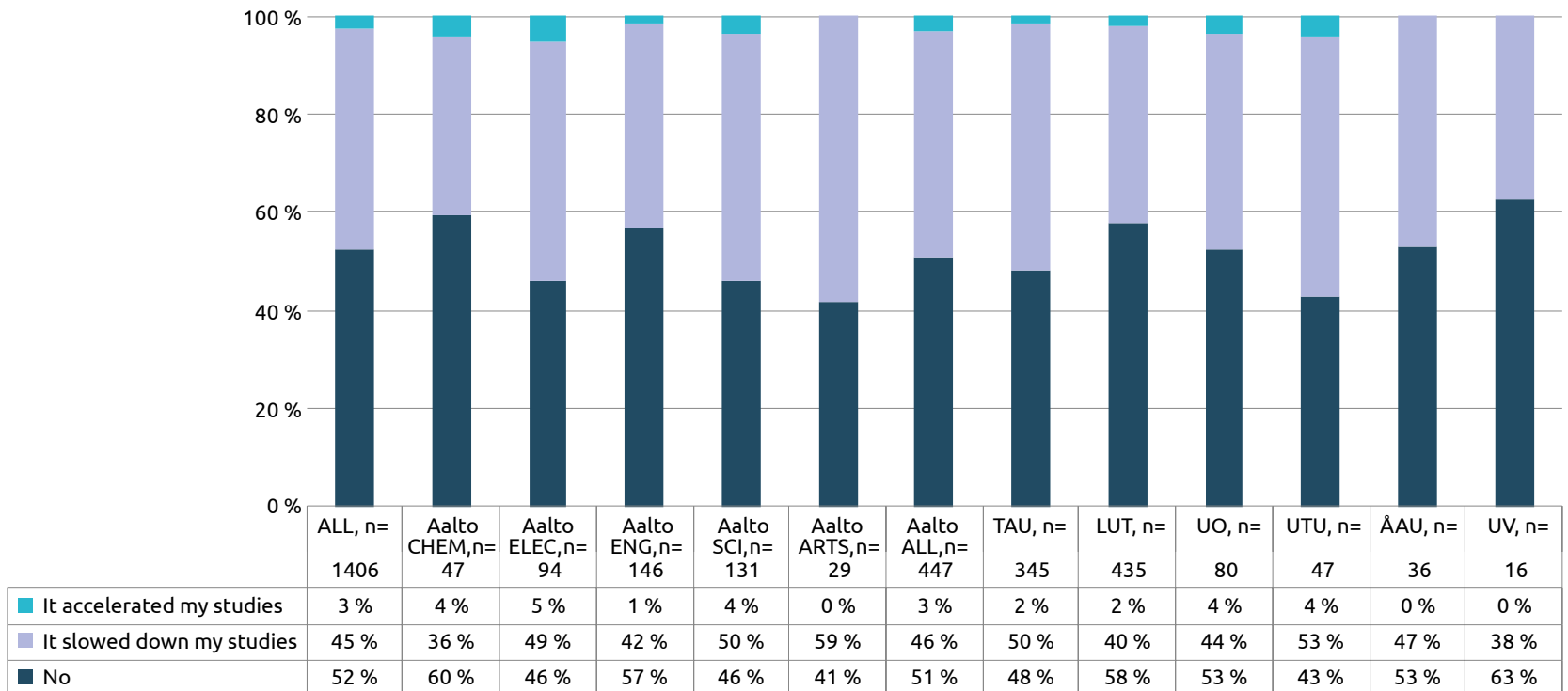
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Working and progress of the studies

Did working during studies affect the progress of your studies?

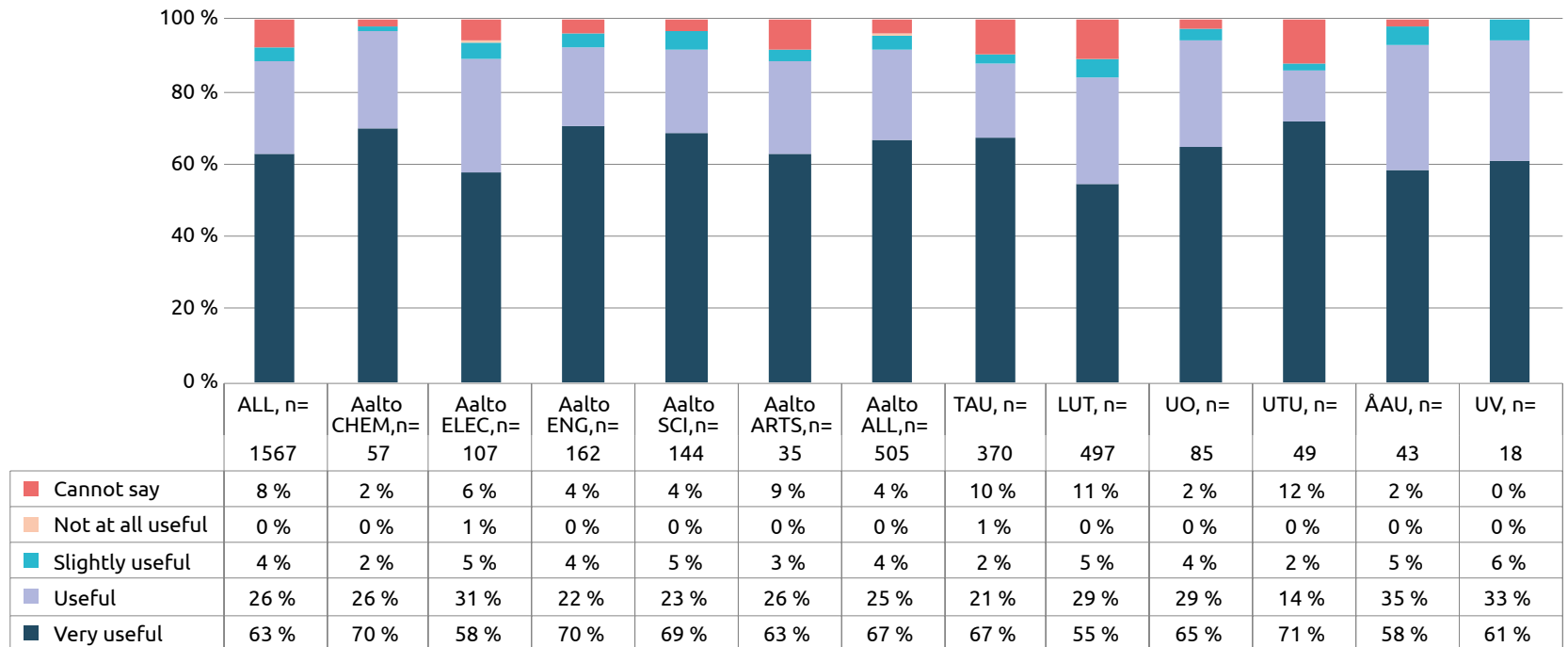
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Importance of work experience

How useful do you consider the study related practice / work experience that gained during your studies?

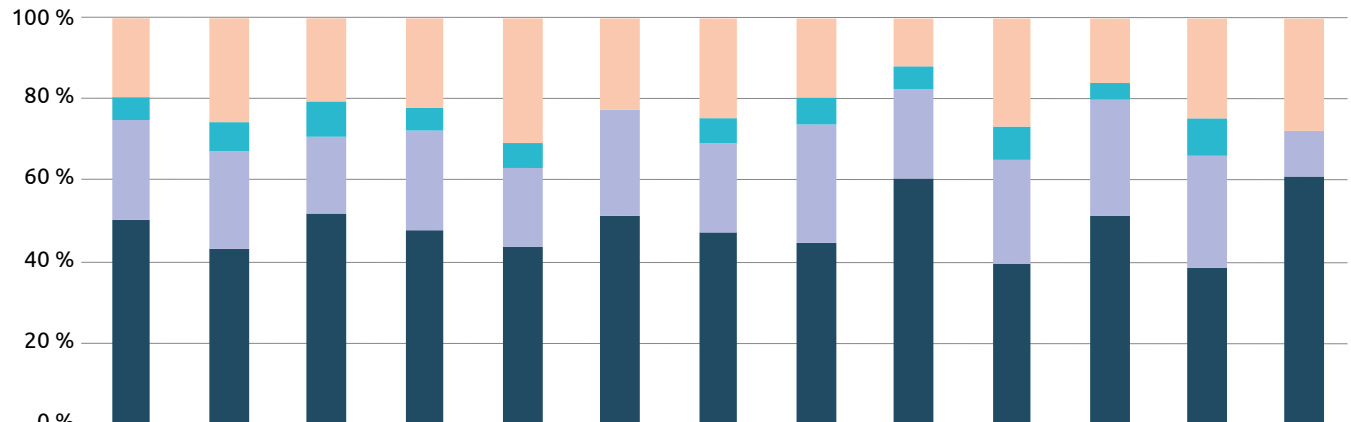
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Voluntary engagement and activity

Which of the following best describes your participation in the activities of the guild or student association of your field?

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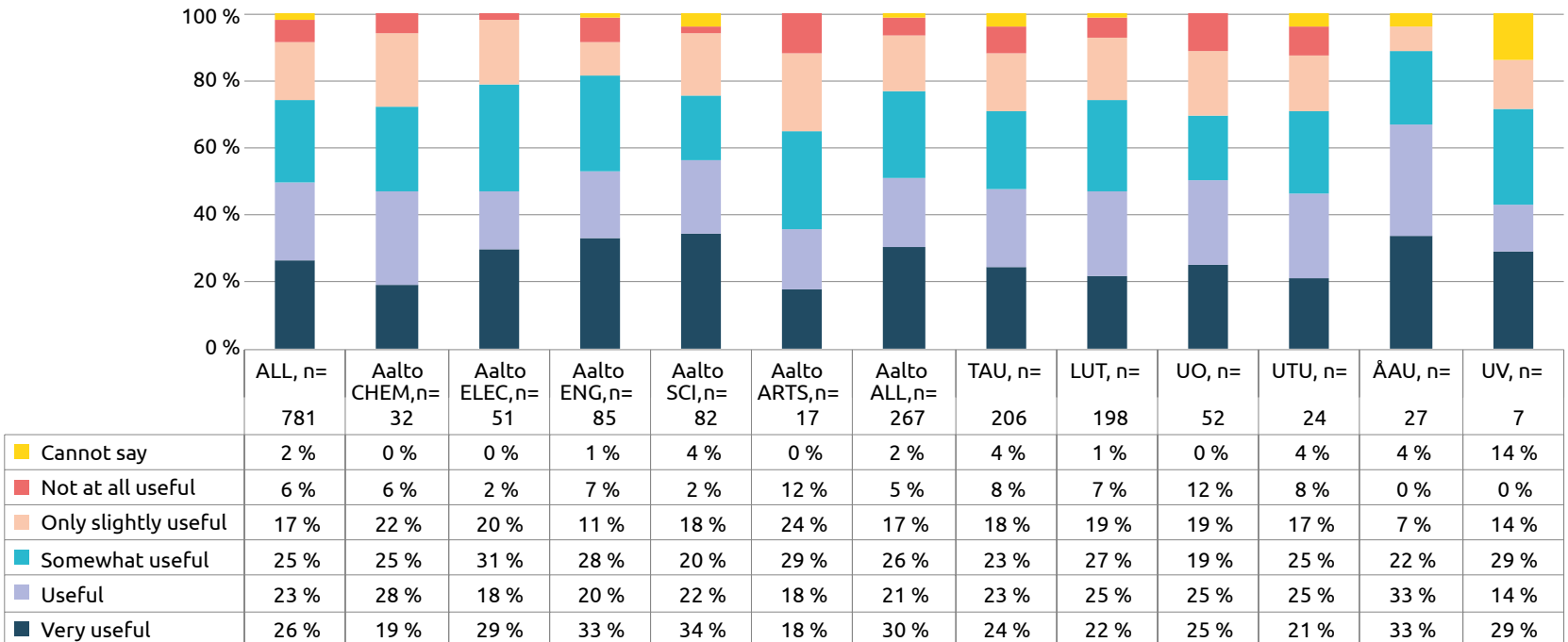


	ALL, n= 1572	Aalto CHEM, n= 58	Aalto ELEC, n= 106	Aalto ENG, n= 162	Aalto SCI, n= 145	Aalto ARTS, n= 35	Aalto ALL, n= 506	TAU, n= 371	LUT, n= 498	UO, n= 86	UTU, n= 49	ÅAU, n= 44	UV, n= 18
I have been a board member or official in the guild or student association.	20 %	26 %	21 %	22 %	31 %	23 %	25 %	20 %	12 %	27 %	16 %	25 %	28 %
Active participation	6 %	7 %	9 %	6 %	6 %	0 %	6 %	7 %	5 %	8 %	4 %	9 %	0 %
Occasional participation	24 %	24 %	19 %	25 %	19 %	26 %	22 %	29 %	22 %	26 %	29 %	27 %	11 %
Participation very seldom or never	50 %	43 %	52 %	48 %	43 %	51 %	47 %	45 %	60 %	40 %	51 %	39 %	61 %

Voluntary engagement and activity

How useful participating in these activities have been for you concerning your studies and career management capacities?

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8. Employment

Situation at the time of graduation

Type of employment

Type of work

Operating sector

Size of the employer

Principal duties

Organizational position

Basic salary

Quality of the employment

Previous relation with the employer

Method of recruitment

Location of the job

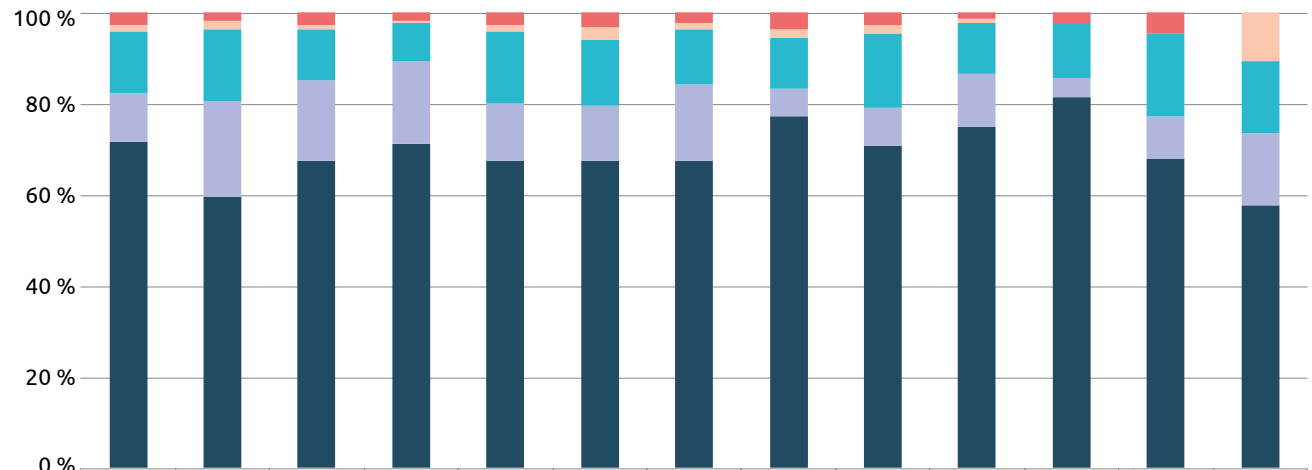
Working abroad



Situation at the time of graduation

Describe your situation at the time of graduation.

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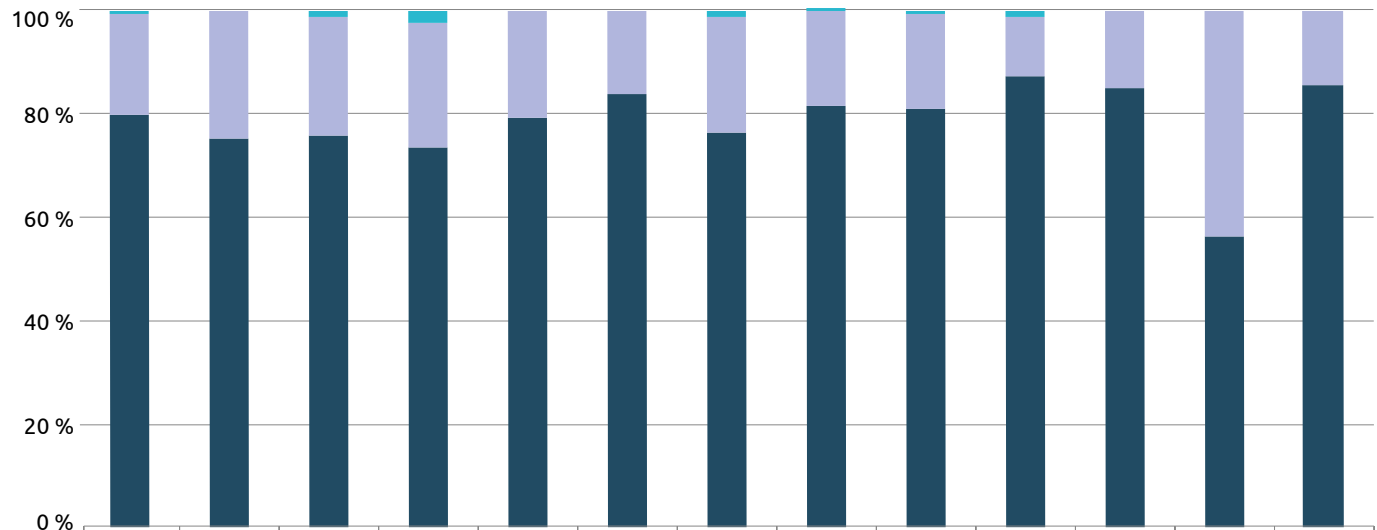


	ALL, n=1575	Aalto CHEM, n=57	Aalto ELEC, n=108	Aalto ENG, n=163	Aalto SCI, n=142	Aalto ARTS, n=34	Aalto ALL, n=504	TAU, n=369	LUT, n=506	UO, n=84	UTU, n=49	ÅAU, n=44	UV, n=19
Other	3 %	2 %	3 %	2 %	3 %	3 %	2 %	4 %	3 %	1 %	2 %	5 %	0 %
I'm working as an entrepreneur or I'm otherwise self-employed.	2 %	2 %	1 %	1 %	1 %	3 %	1 %	2 %	2 %	1 %	0 %	0 %	11 %
I am seeking for a job.	14 %	16 %	11 %	8 %	16 %	15 %	12 %	11 %	17 %	11 %	12 %	18 %	16 %
I know where I'm going to be employed after my graduation (salaried work).	11 %	21 %	18 %	18 %	13 %	12 %	17 %	6 %	8 %	12 %	4 %	9 %	16 %
I have a work contract.	72 %	60 %	68 %	71 %	68 %	68 %	68 %	78 %	71 %	75 %	82 %	68 %	58 %

Type of contract If employed

Type of your current employment

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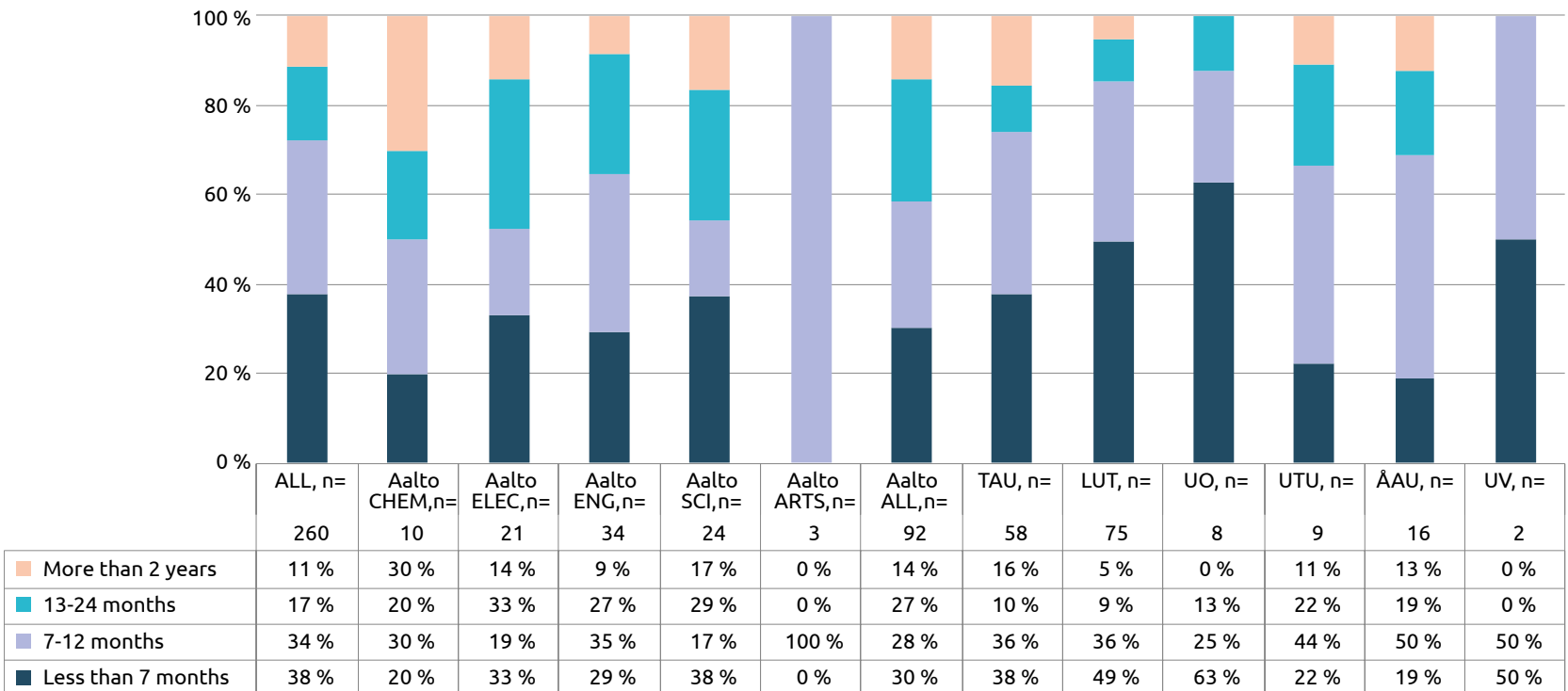


	ALL, n= 1246	Aalto CHEM, n= 44	Aalto ELEC, n= 87	Aalto ENG, n= 139	Aalto SCI, n= 109	Aalto ARTS, n= 25	Aalto ALL, n= 404	TAU, n= 298	LUT, n= 387	UO, n= 71	UTU, n= 40	ÅAU, n= 32	UV, n= 14
Other	1 %	0 %	1 %	2 %	0 %	0 %	1 %	0 %	1 %	1 %	0 %	0 %	0 %
Fixed-term / temporary contract	20 %	25 %	23 %	25 %	21 %	16 %	23 %	18 %	19 %	11 %	15 %	44 %	14 %
Permanent work contract	80 %	75 %	76 %	73 %	79 %	84 %	76 %	82 %	81 %	87 %	85 %	56 %	86 %

Fixed term contract If employed

Fixed term / temporary contract, duration

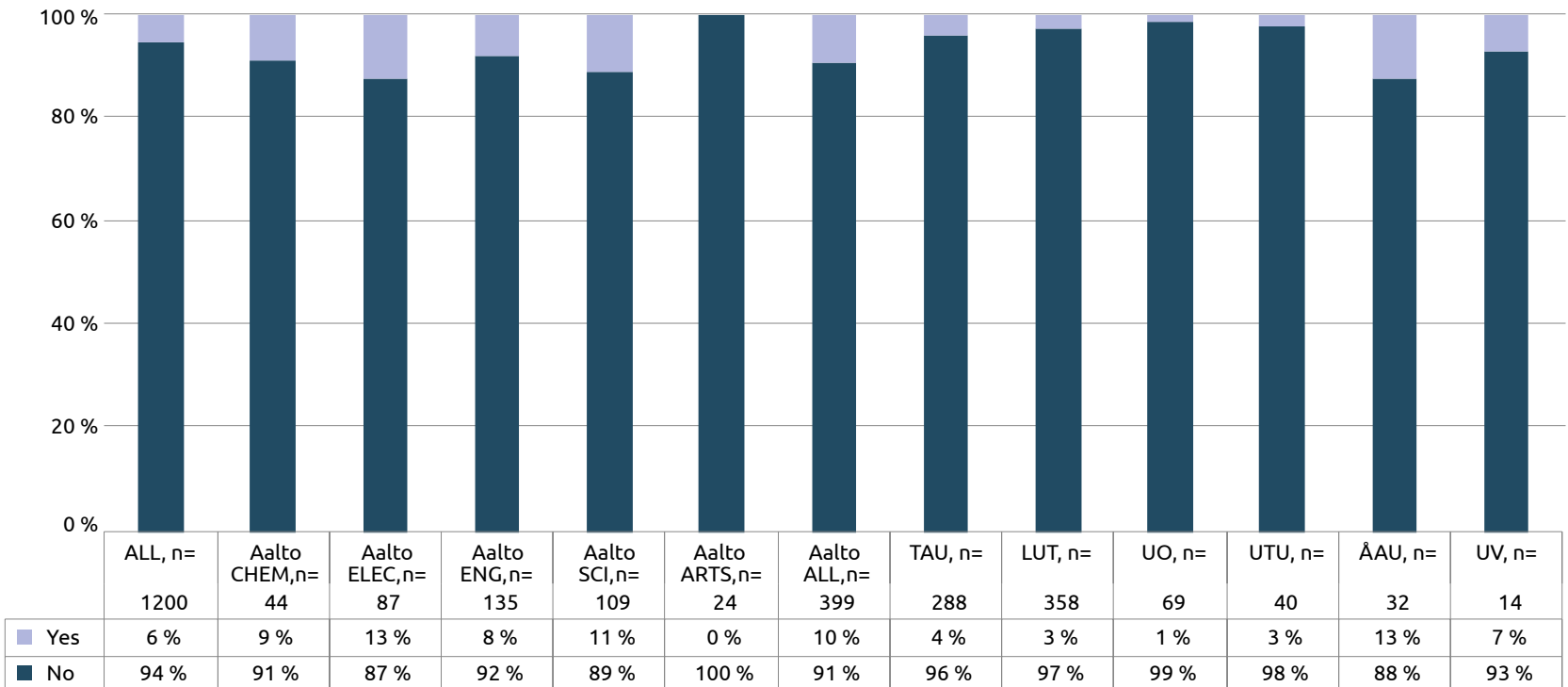
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Type of work If employed

I work as a full-time doctoral candidate

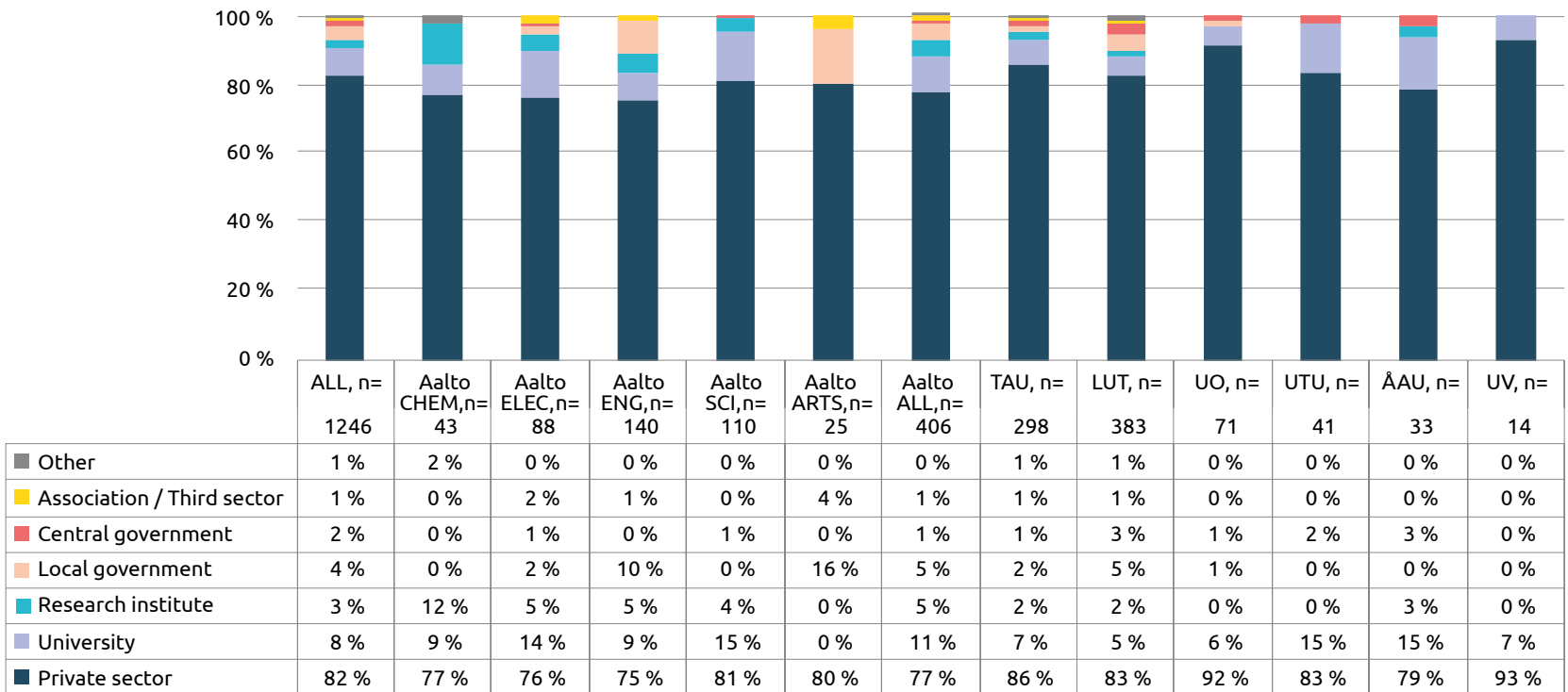
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Operating sector If employed

Operating sector of your employer

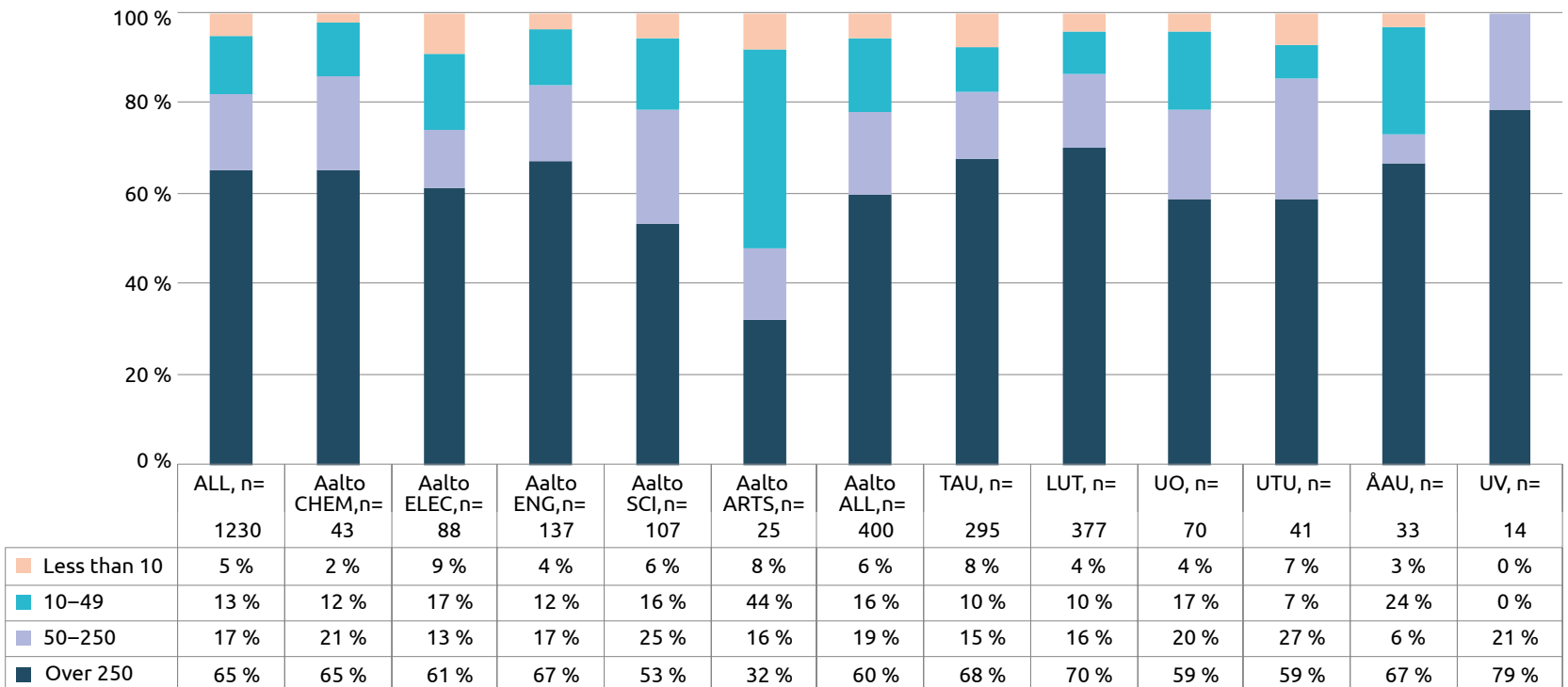
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Size of the employer If employed

Size of your employer based on the amount of personnel?

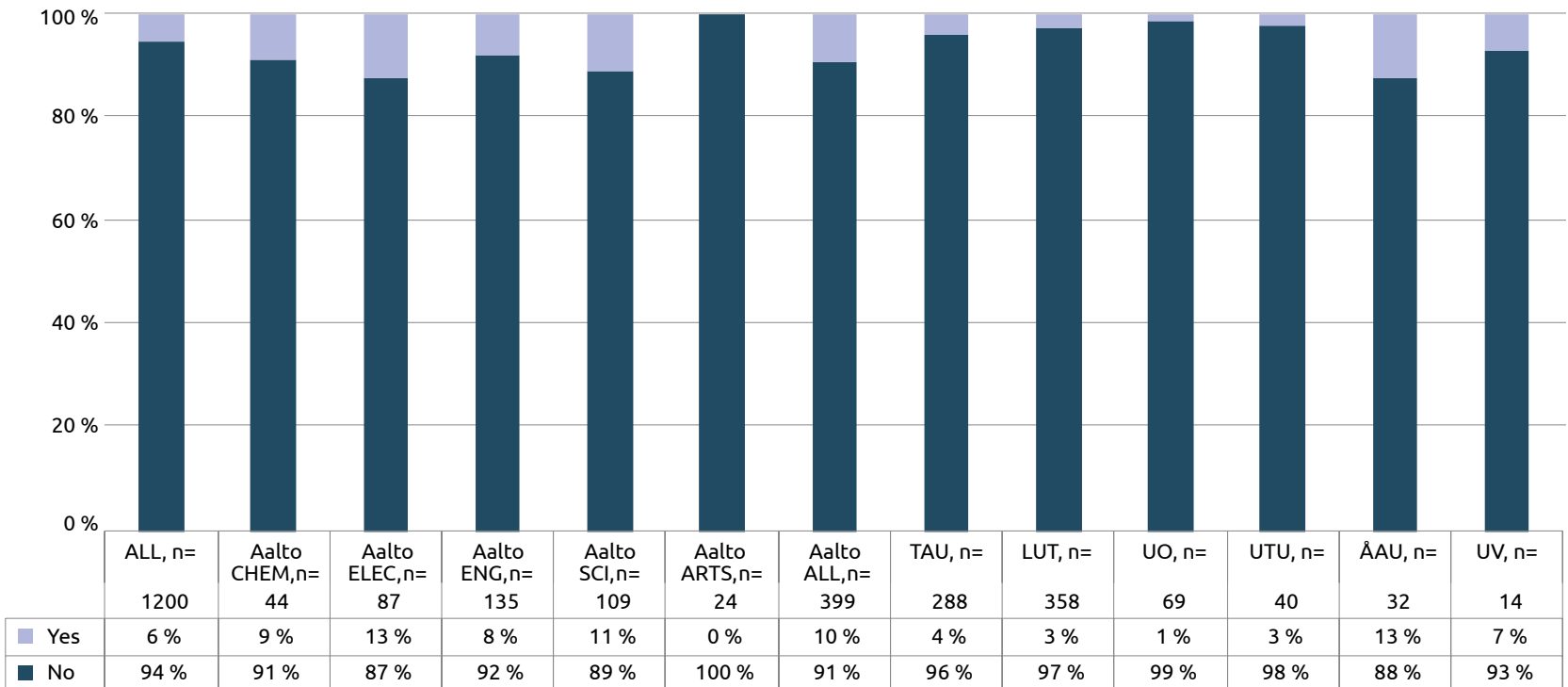
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Doctoral studies If employed

I work as a full-time doctoral candidate

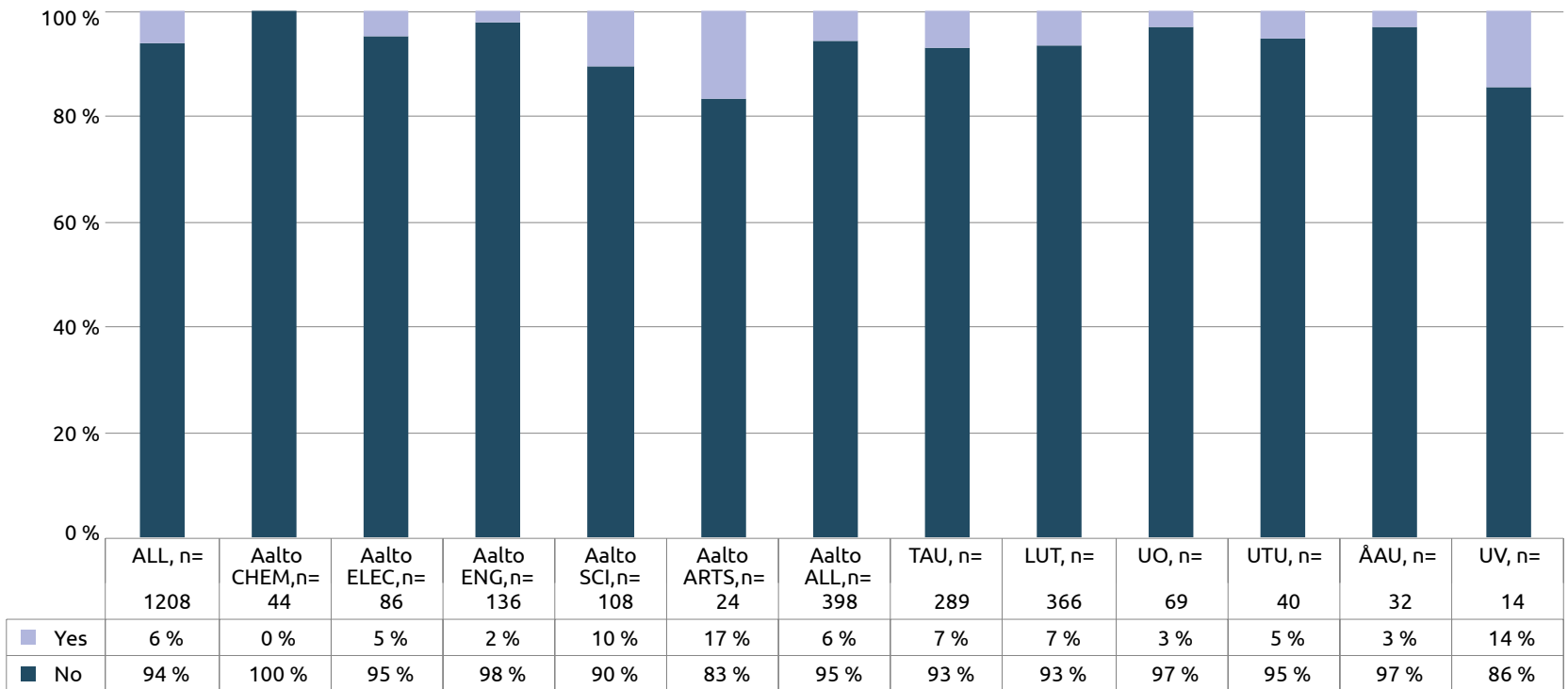
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Part-time entrepreneurship If employed

I also work as a part-time entrepreneur.

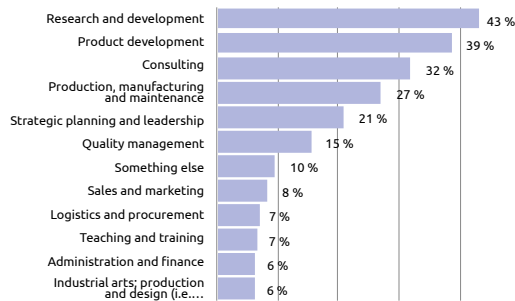
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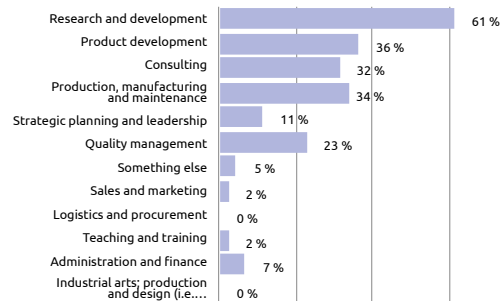
Principal duties If employed

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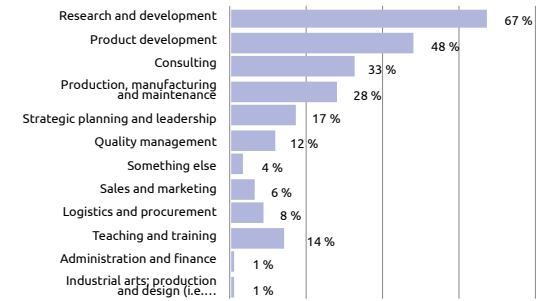
ALL, n=1214



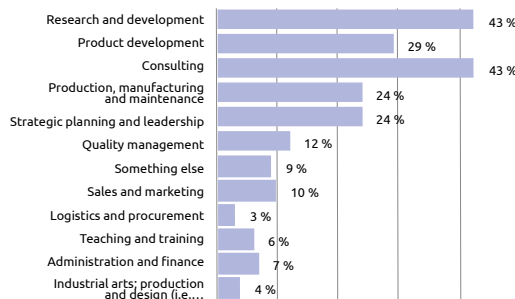
Aalto CHEM, n=44



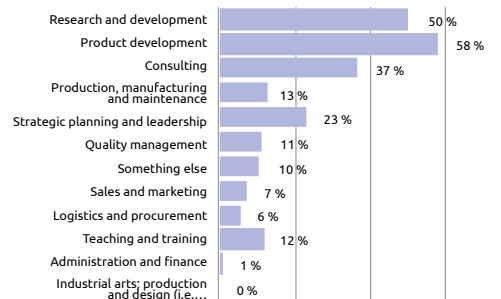
Aalto ELEC, n=83



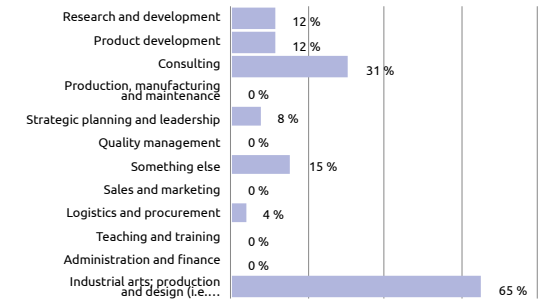
Aalto ENG, n=134



Aalto SCI, n=109



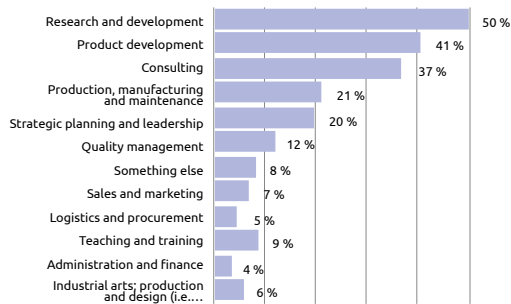
Aalto ARTS, n=26



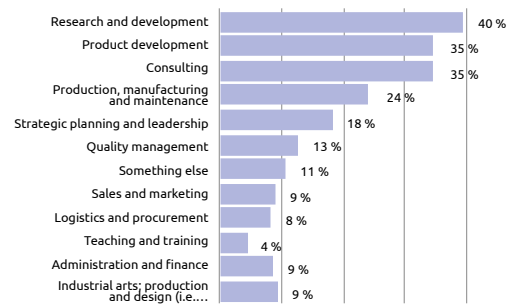
Principal duties If employed

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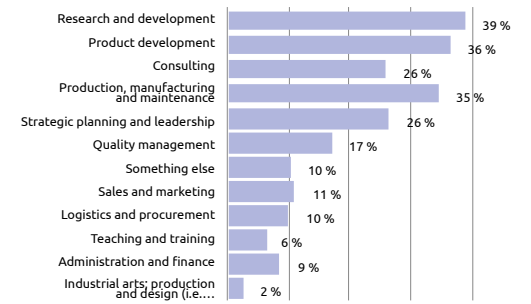
Aalto ALL, n=396



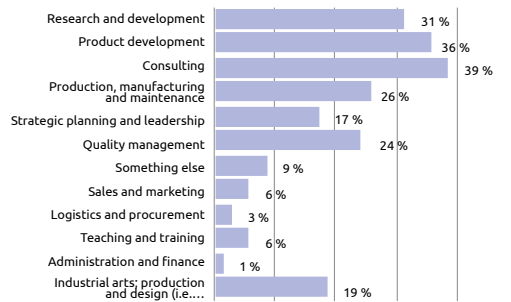
TAU, n=291



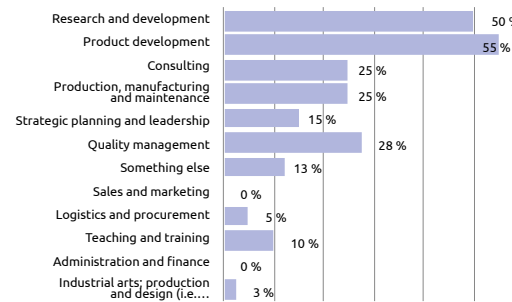
LUT, n=370



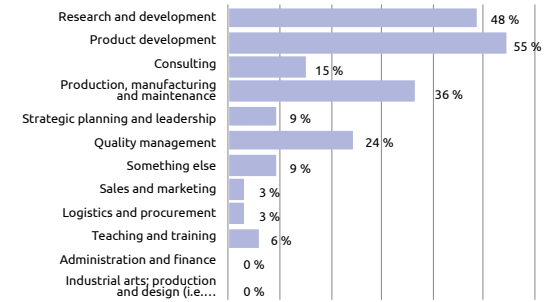
UO, n=70



UTU, n=40



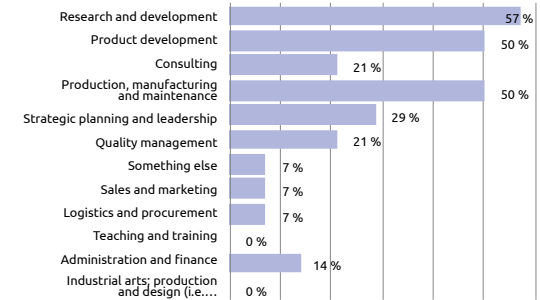
ÅAU, n=33



Principal duties If employed

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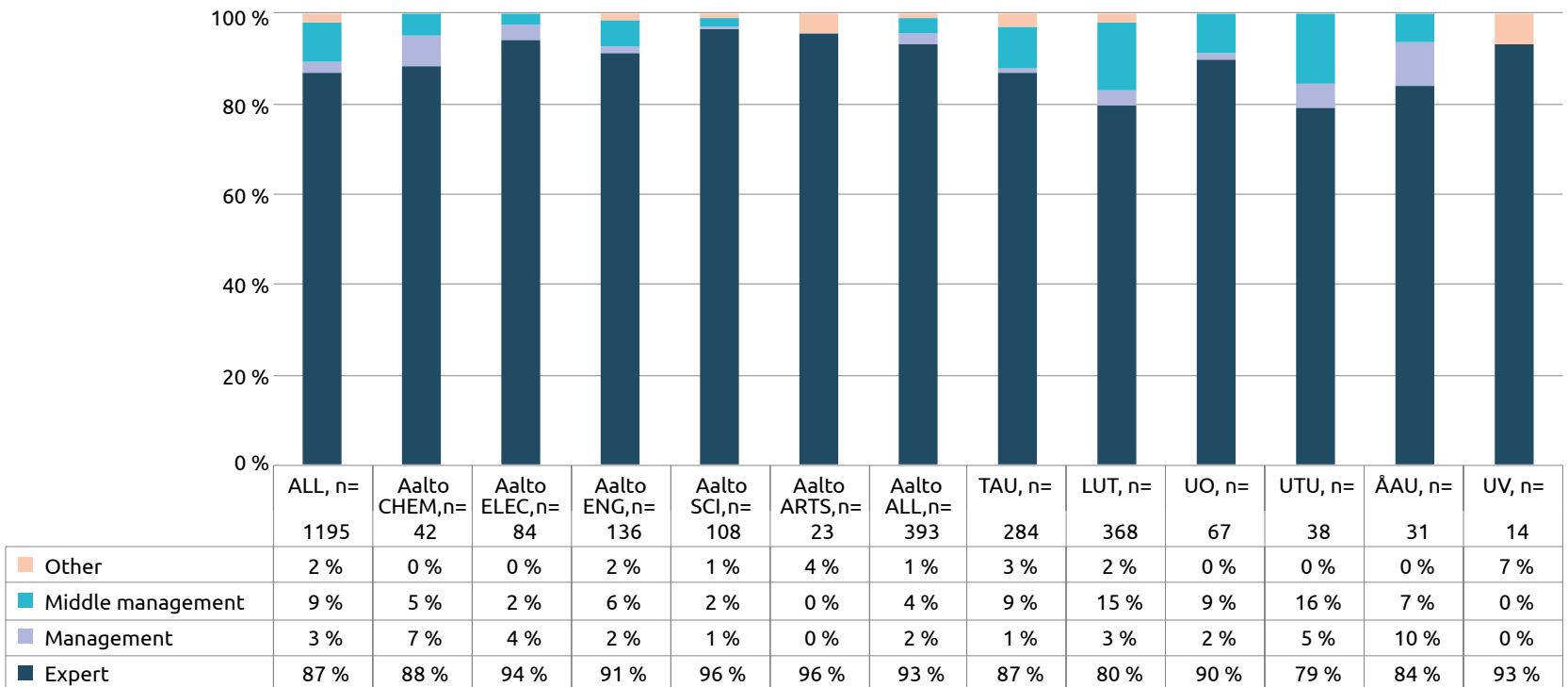
UV, n=14



Organizational position If employed

Your organizational position

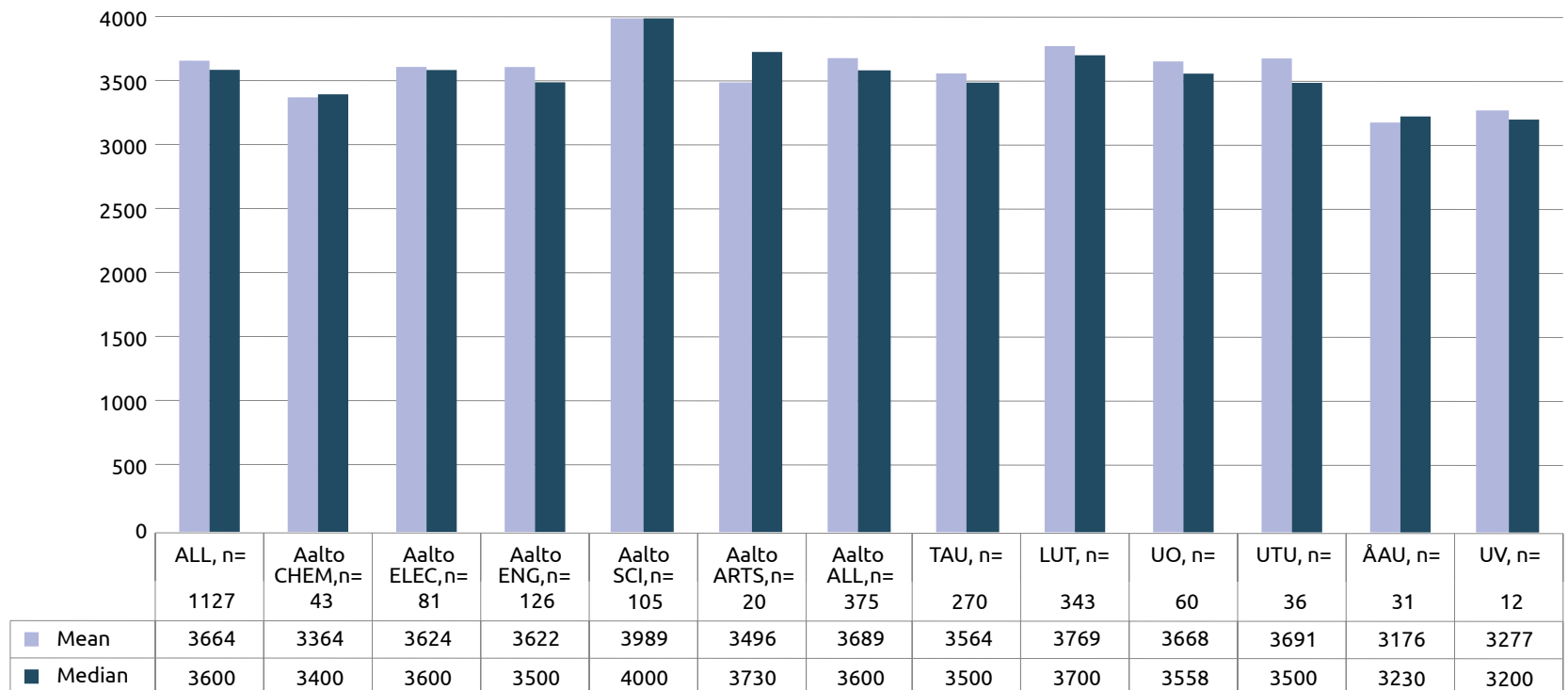
©TEK Graduate Survey 2022



Basic salary If employed

Basic wage or salary, EUR/month

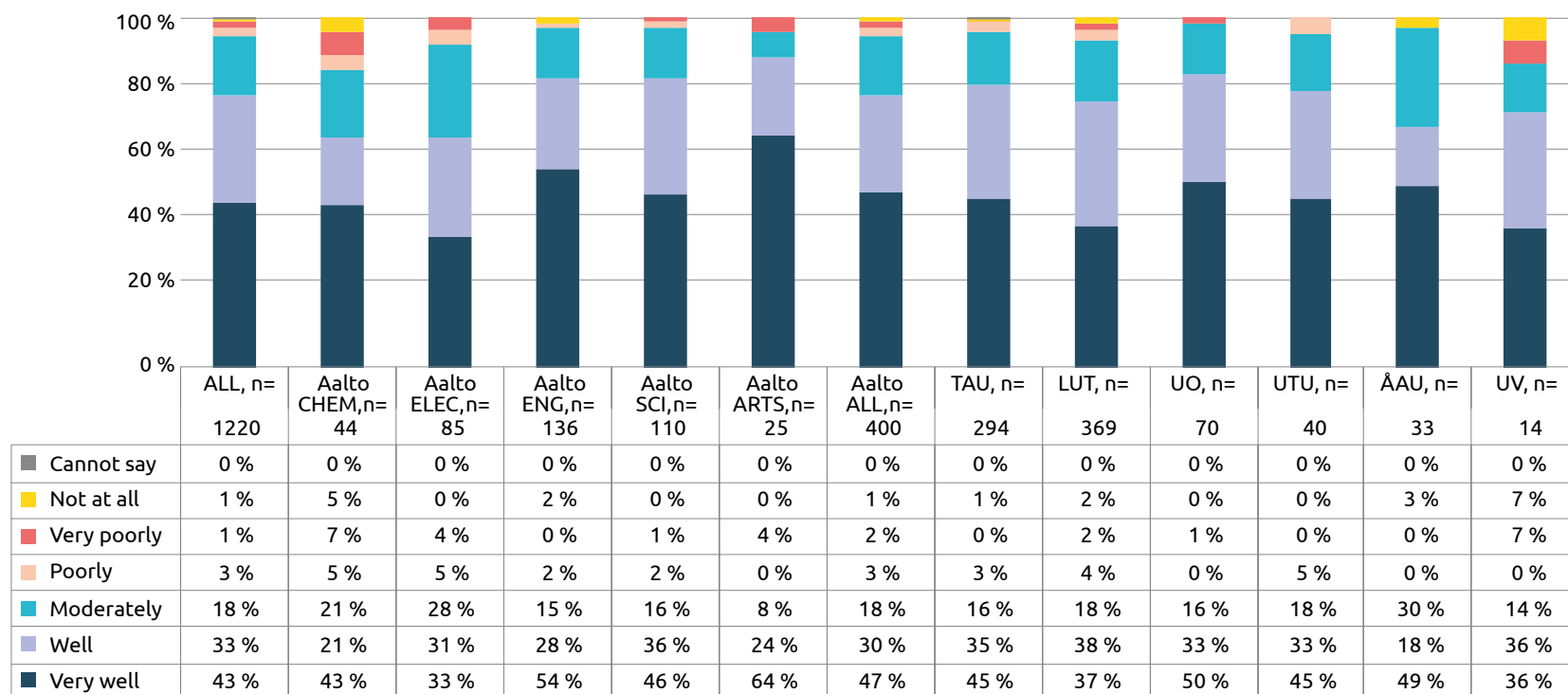
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Quality of the employment If employed

How well does the content of your job correspond with your field of studies?

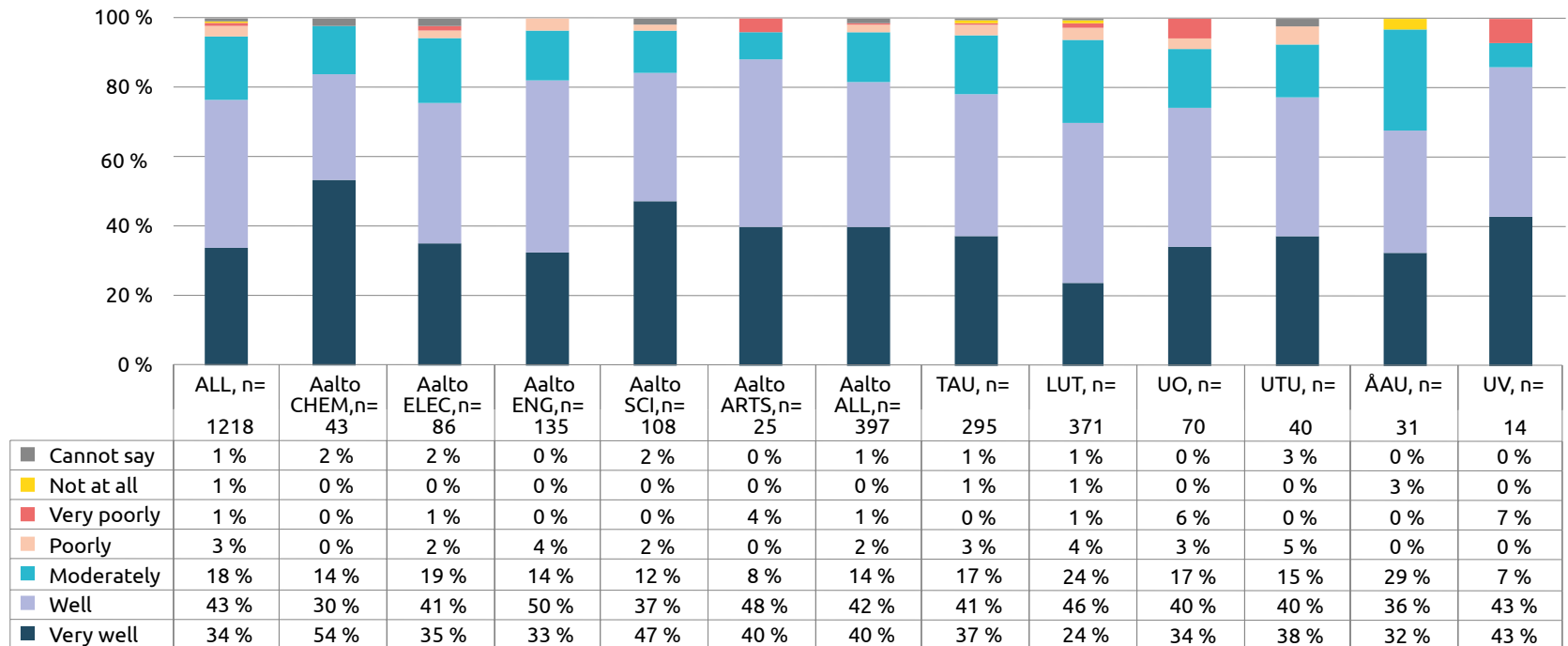
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Quality of the employment If employed

How well does the level of demand in your job correspond with your educational level?

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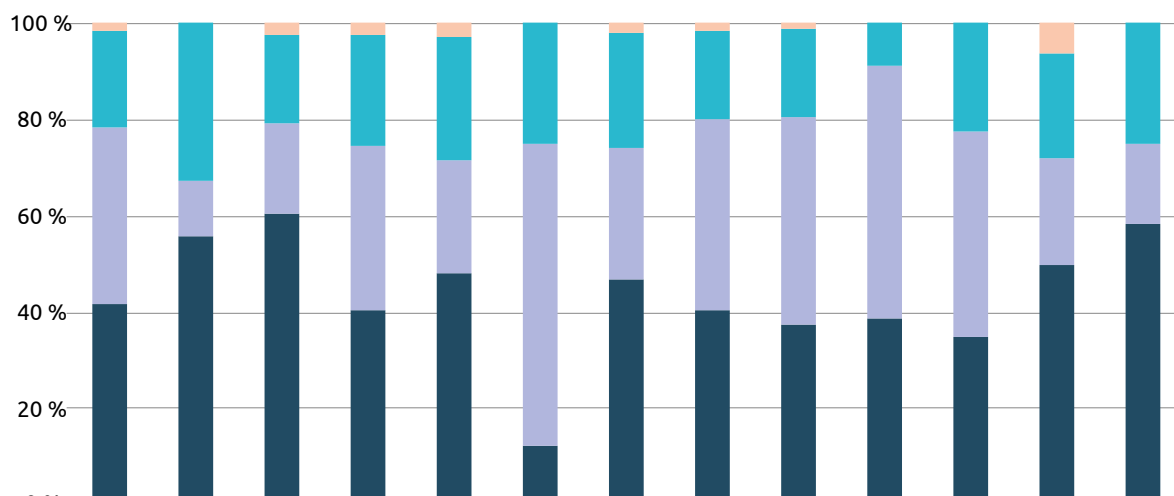


Previous relation with the employer

If employed

Do you have a previous relation with your employer?

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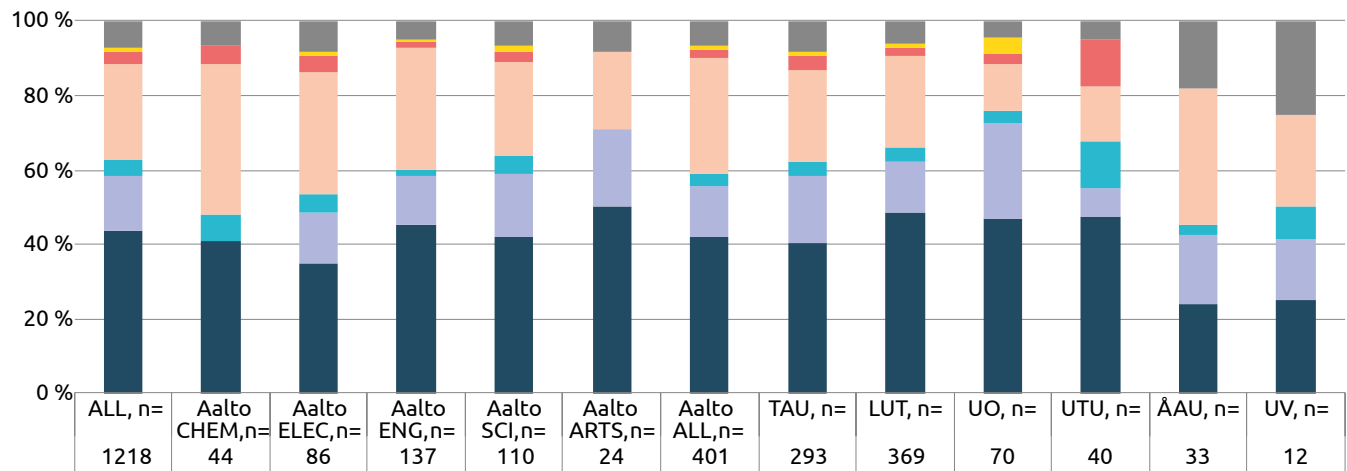


	ALL, n=	Aalto	Aalto	Aalto	Aalto	Aalto	Aalto	TAU, n=	LUT, n=	UO, n=	UTU, n=	ÅAU, n=	UV, n=
	1220	CHEM, n=	ELEC, n=	ENG, n=	SCI, n=	ARTS, n=	ALL, n=	294	371	70	40	32	12
Something else	2 %	0 %	2 %	2 %	3 %	0 %	2 %	2 %	1 %	0 %	0 %	6 %	0 %
No, I don't have a previous relation with the organisation.	20 %	33 %	19 %	23 %	26 %	25 %	24 %	18 %	18 %	9 %	23 %	22 %	25 %
Yes, I have previously worked in the organisation (excluding the work related to my master's thesis).	37 %	12 %	19 %	34 %	24 %	63 %	27 %	40 %	43 %	53 %	43 %	22 %	17 %
Yes, I did my master's thesis for the organisation.	42 %	56 %	61 %	41 %	48 %	13 %	47 %	41 %	38 %	39 %	35 %	50 %	58 %

Method of recruitment If employed

How did you get your current job?

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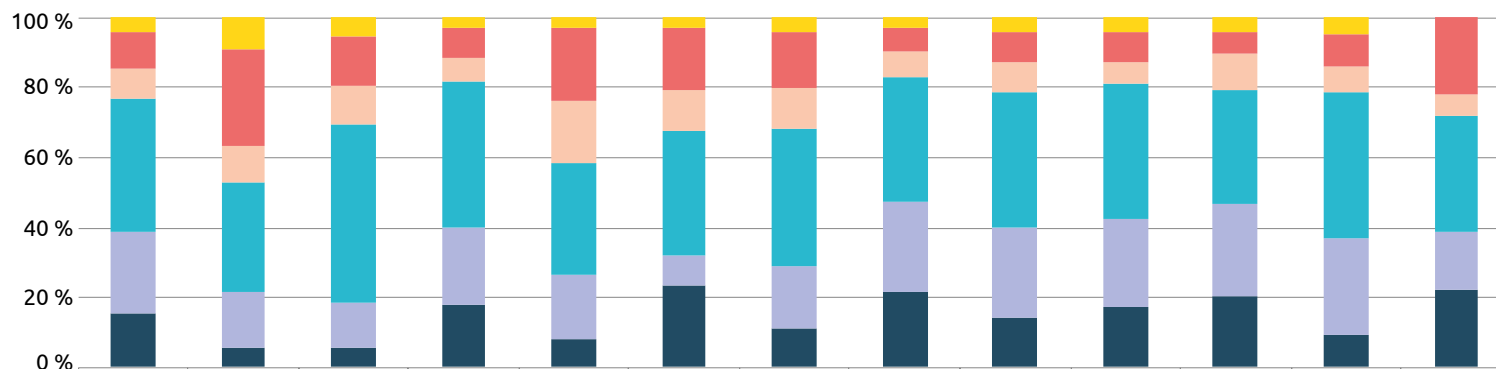


■ Some other way	7 %	7 %	8 %	5 %	6 %	8 %	7 %	8 %	6 %	4 %	5 %	18 %	25 %
■ Via some other recruiting services	1 %	0 %	1 %	1 %	2 %	0 %	1 %	1 %	1 %	4 %	0 %	0 %	0 %
■ Via the recruiting services at the university	3 %	5 %	5 %	2 %	3 %	0 %	3 %	4 %	2 %	3 %	13 %	0 %	0 %
■ Personal contacts & networks	26 %	41 %	33 %	33 %	26 %	21 %	31 %	25 %	25 %	13 %	15 %	36 %	25 %
■ "Headhunting"	4 %	7 %	5 %	2 %	5 %	0 %	4 %	4 %	4 %	3 %	13 %	3 %	8 %
■ Open application & contacting	15 %	0 %	14 %	13 %	17 %	21 %	14 %	18 %	14 %	26 %	8 %	18 %	17 %
■ Reply to a public announcement	43 %	41 %	35 %	45 %	42 %	50 %	42 %	41 %	49 %	47 %	48 %	24 %	25 %

Working abroad

According to your own view, how likely it is that you will work elsewhere than in Finland within 5 years of your graduation?

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	ALL, n=1534	Aalto CHEM, n=55	Aalto ELEC, n=107	Aalto ENG, n=159	Aalto SCI, n=140	Aalto ARTS, n=34	Aalto ALL, n=495	TAU, n=359	LUT, n=490	UO, n=80	UTU, n=49	ÅAU, n=43	UV, n=18
Cannot say	4 %	9 %	6 %	3 %	3 %	3 %	4 %	3 %	4 %	4 %	4 %	5 %	0 %
Very likely	10 %	27 %	14 %	8 %	21 %	18 %	16 %	6 %	8 %	9 %	6 %	9 %	22 %
Likely	9 %	11 %	11 %	7 %	18 %	12 %	12 %	7 %	9 %	6 %	10 %	7 %	6 %
Possible	38 %	31 %	51 %	42 %	32 %	35 %	39 %	36 %	39 %	39 %	33 %	42 %	33 %
Unlikely	23 %	16 %	13 %	23 %	19 %	9 %	18 %	26 %	26 %	25 %	27 %	28 %	17 %
Very unlikely	15 %	6 %	6 %	18 %	8 %	24 %	11 %	22 %	14 %	18 %	20 %	9 %	22 %

Location of the job If employed

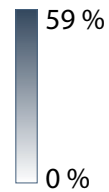
ALL, n= 1226



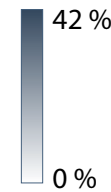
Aalto ALL, n= 404



TAU, n= 295



LUT, n= 371



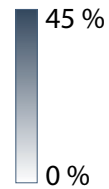
UO, n= 70



UTU, n= 41



ÅAU, n= 31



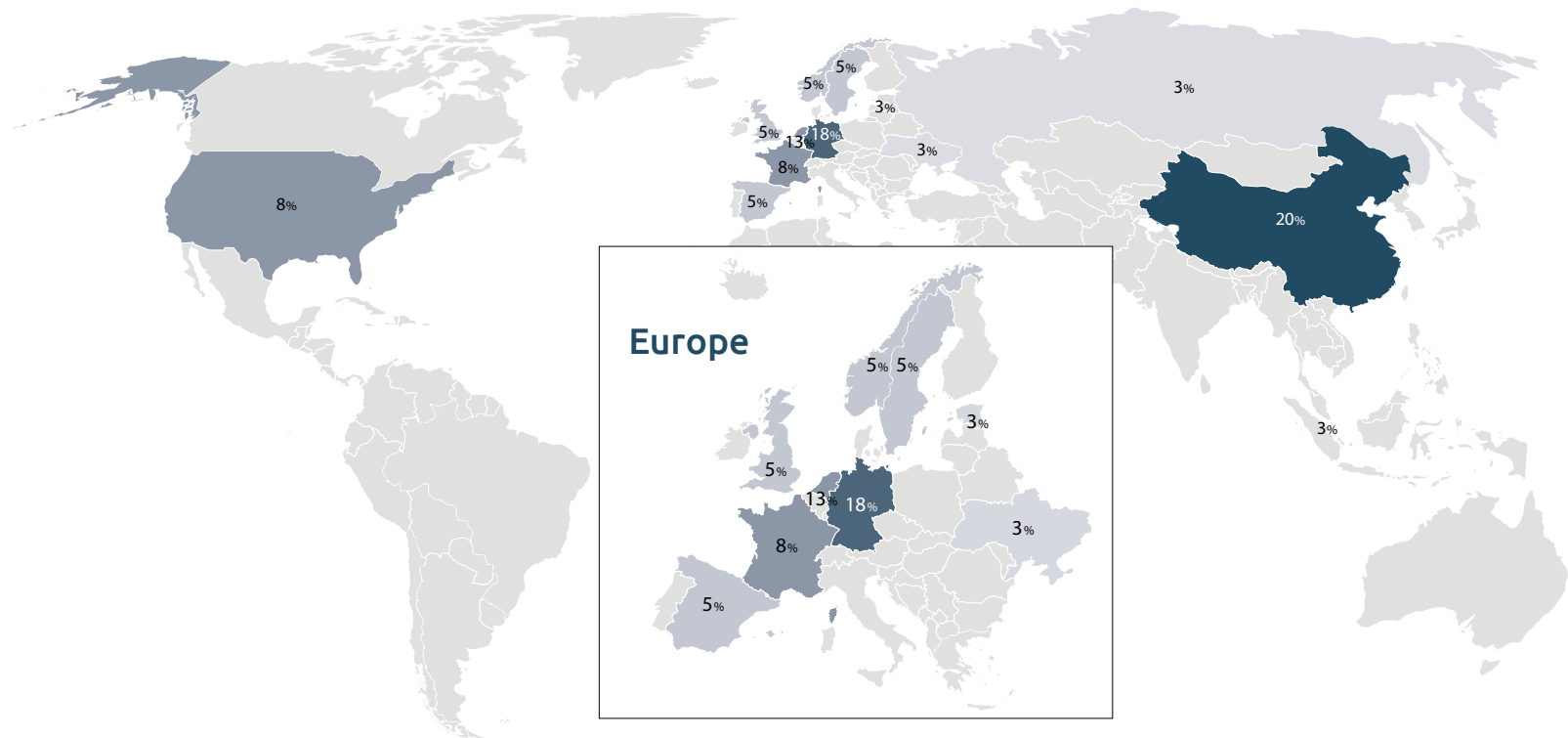
UV, n= 14



Location of the job If abroad

The country where your workplace is located (outside Finland), n=40?

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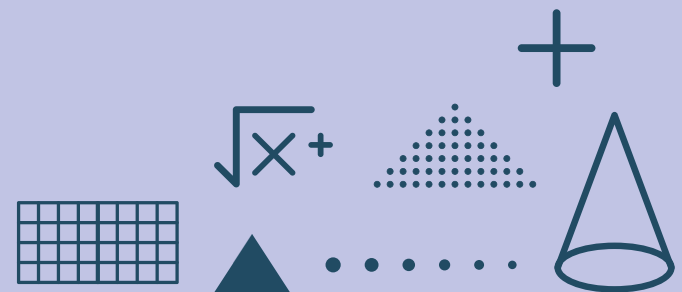


Palvelun tarjoaa Bing
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9. Satisfaction with the studies

Reselection of the education

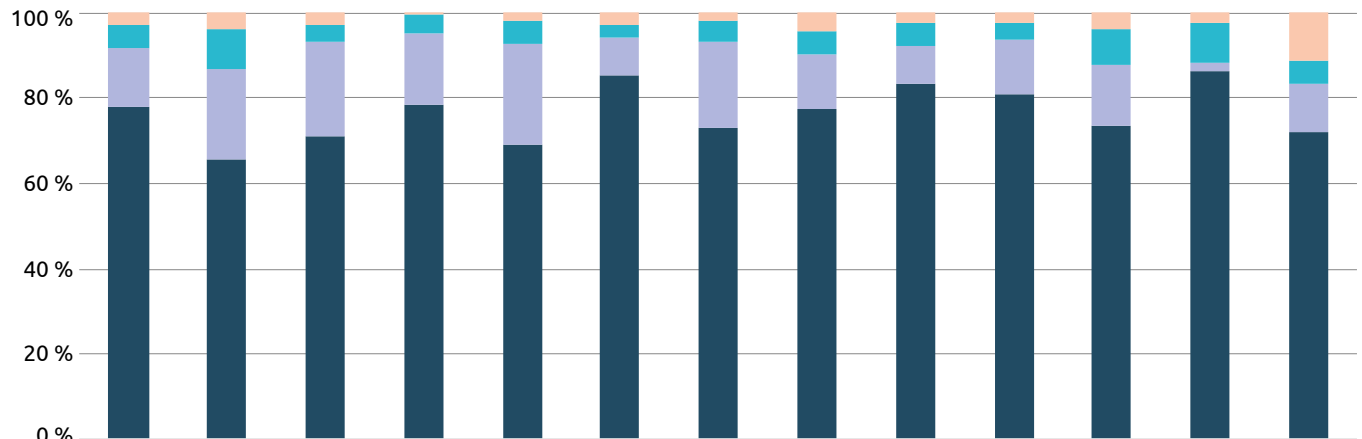
Satisfaction with the studies



Reselection of education

If you could choose again, would now you choose the same basic degree and degree programme / major subject?

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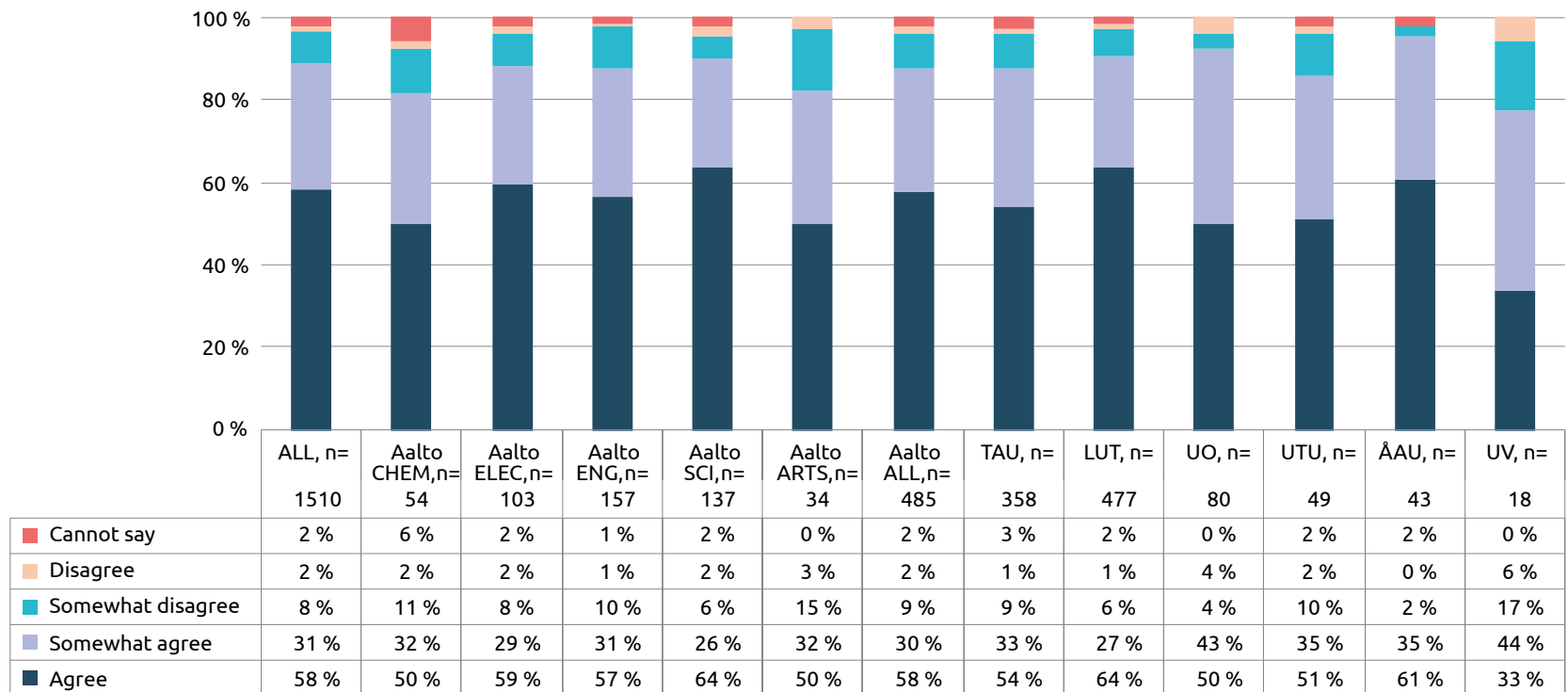


	ALL, n= 1504	Aalto CHEM, n= 52	Aalto ELEC, n= 104	Aalto ENG, n= 156	Aalto SCI, n= 140	Aalto ARTS, n= 34	Aalto ALL, n= 486	TAU, n= 354	LUT, n= 475	UO, n= 79	UTU, n= 49	ÅAU, n= 43	UV, n= 18
Something else	3 %	4 %	3 %	1 %	2 %	3 %	2 %	4 %	2 %	3 %	4 %	2 %	11 %
University education, but other than technology	6 %	10 %	4 %	5 %	5 %	3 %	5 %	6 %	6 %	4 %	8 %	9 %	6 %
The same degree, but some other degree programme / major	14 %	21 %	22 %	17 %	24 %	9 %	20 %	13 %	9 %	13 %	14 %	2 %	11 %
Yes, the same degree and degree programme / major	78 %	65 %	71 %	78 %	69 %	85 %	73 %	77 %	83 %	81 %	74 %	86 %	72 %

Satisfaction with the studies

The competences I have developed in my education meet my expectations.

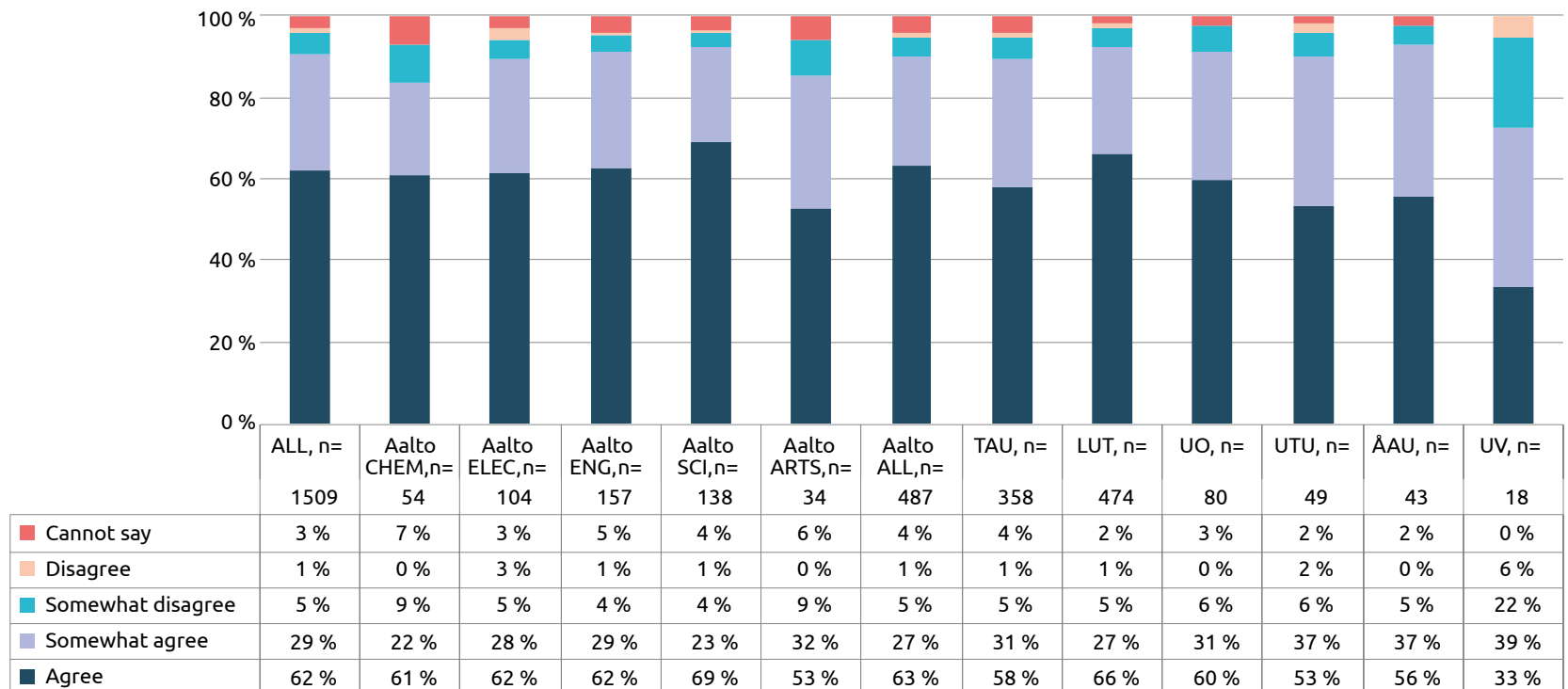
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Satisfaction with the studies

My education meets the set goals.

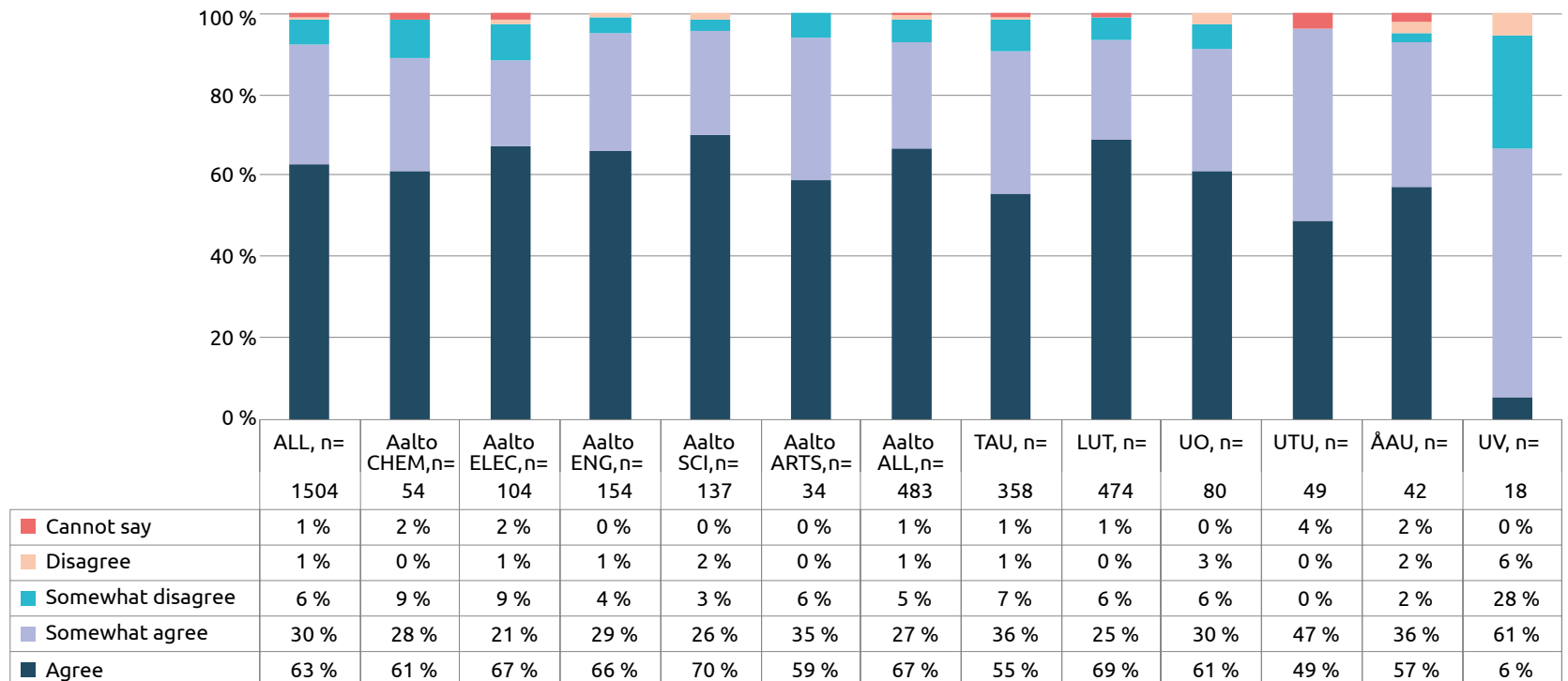
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Satisfaction with the studies

The teaching has been, to a large extent, of good quality.

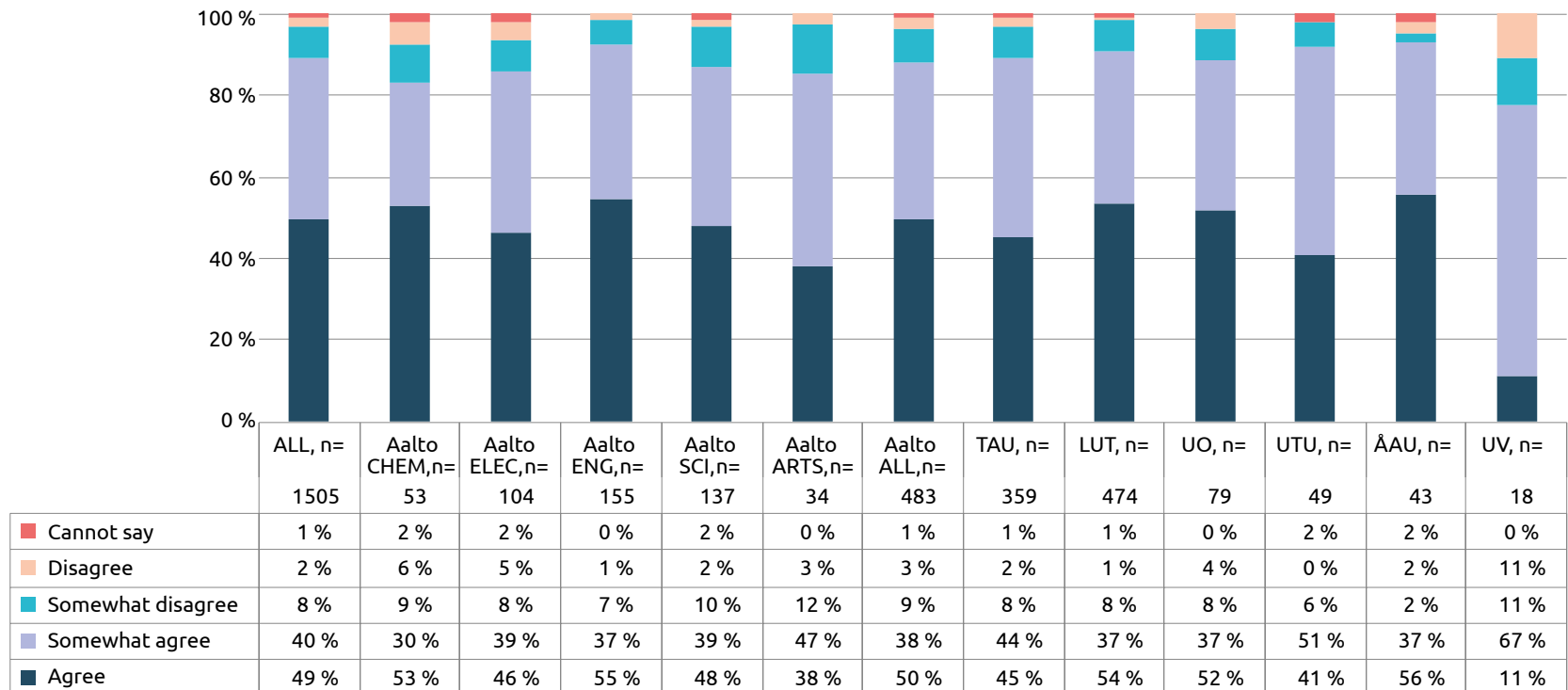
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Satisfaction with the studies

I have been satisfied with the teaching methods used.

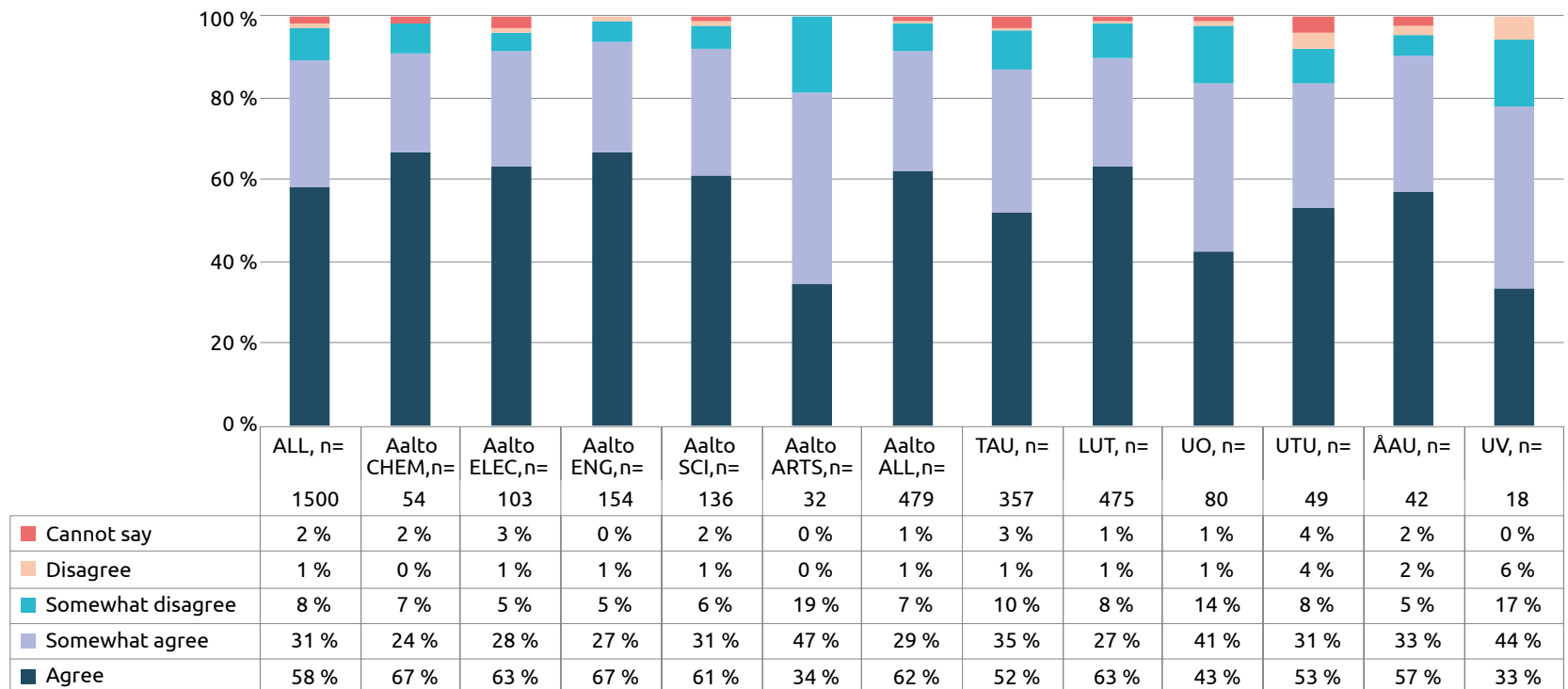
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Satisfaction with the studies

Contents of the studies were up-to-date.

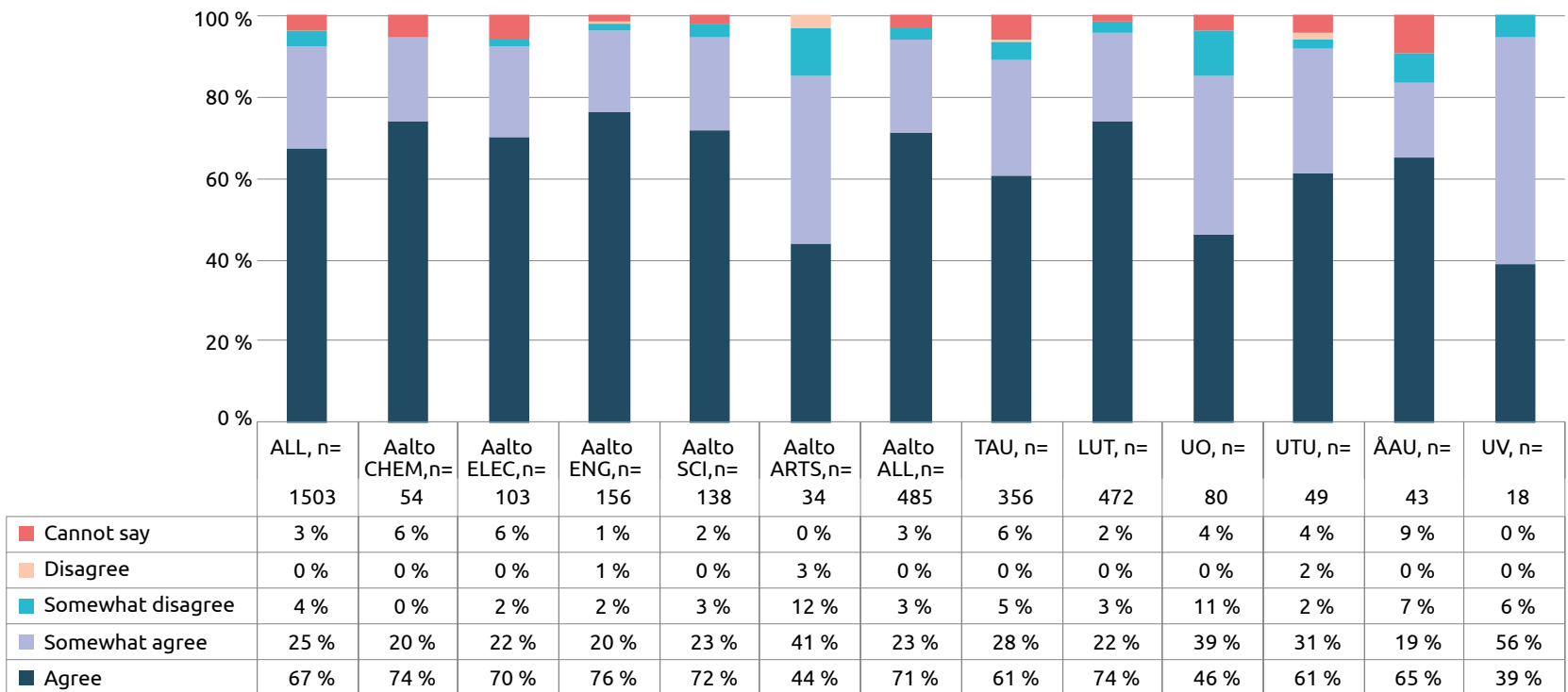
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Satisfaction with the studies

Research results from the field were applied to teaching.

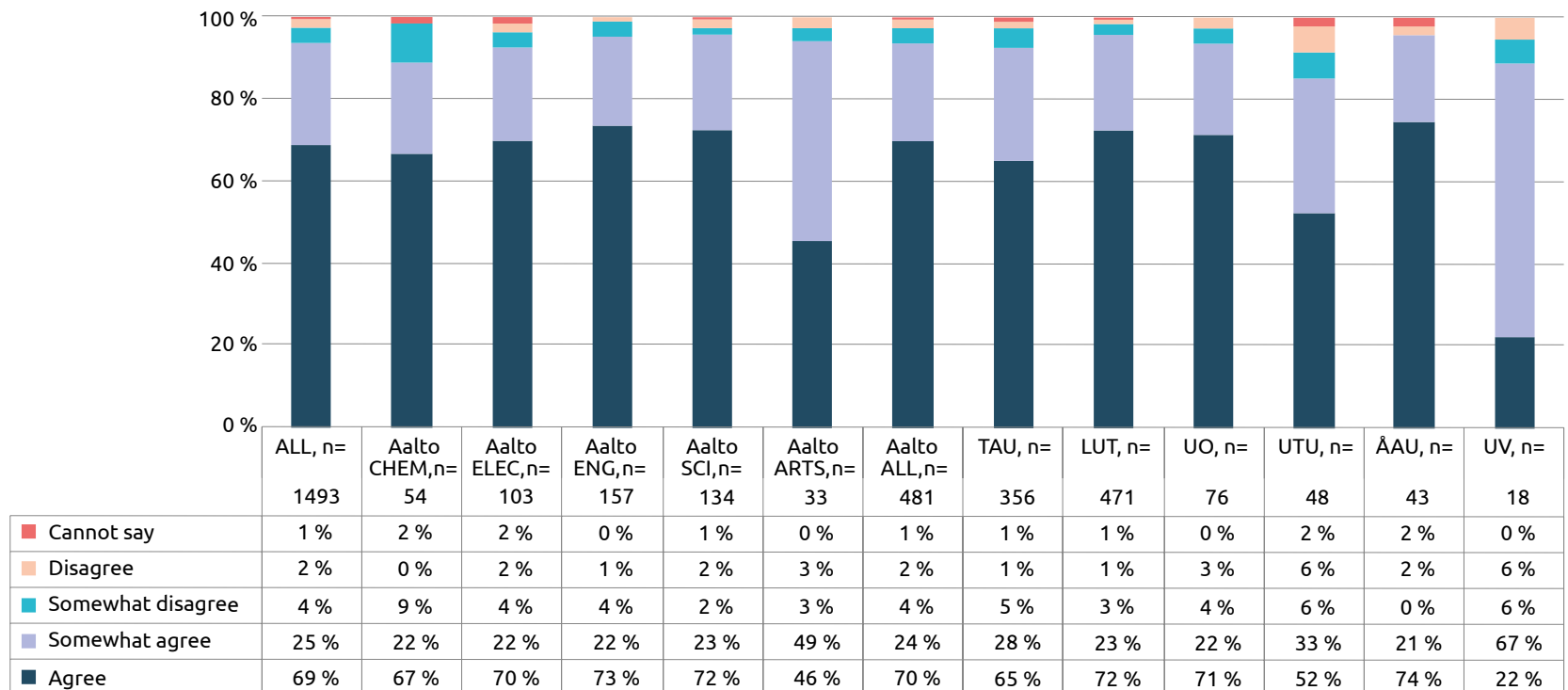
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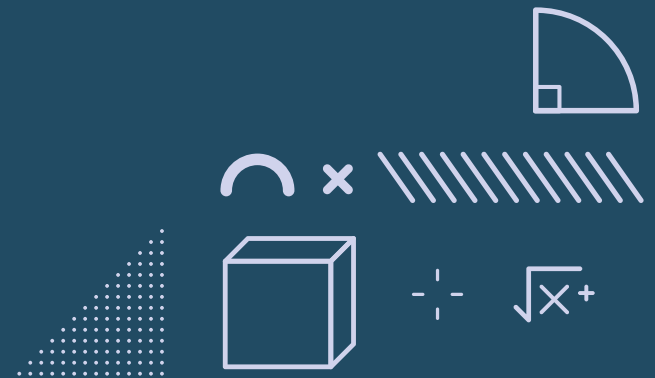
Satisfaction with the studies

I am satisfied with the education that I have received.

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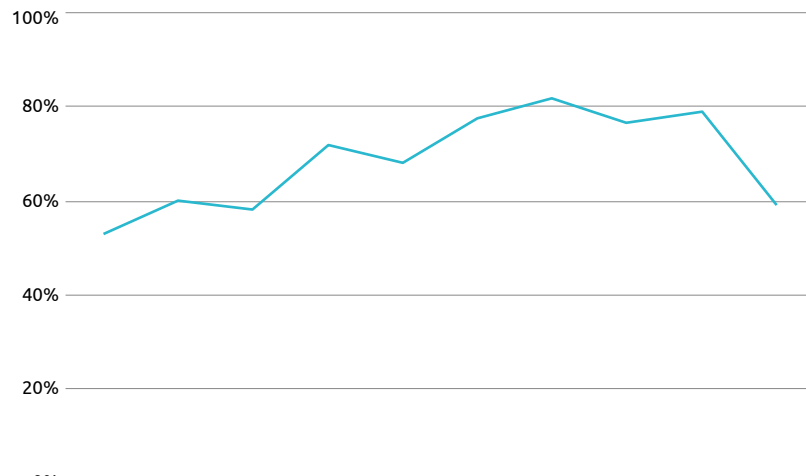


Trends and time series



Answers and answer rates

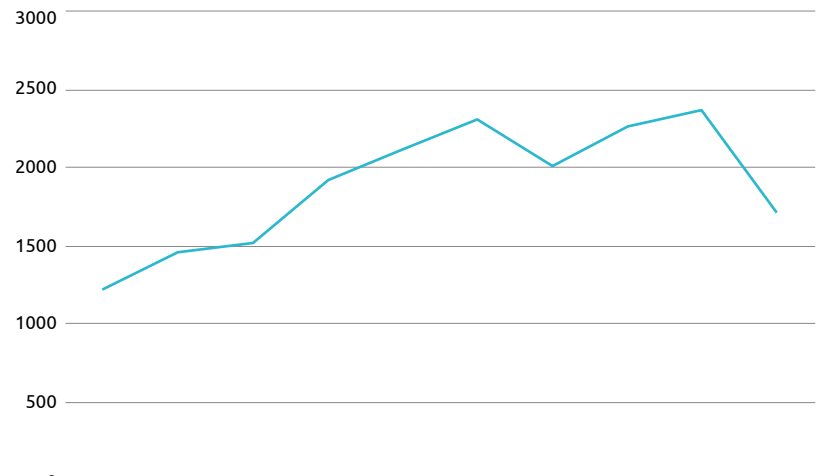
Answer rates



	2012 (%)	2013 (%)	2014 (%)	2015 (%)	2016 (%)	2017 (%)	2018 (%)	2019 (%)	2020 (%)	2021 (%)
ALL	53 %	60 %	58 %	72 %	68 %	78 %	82 %	76 %	79 %	59 %

Amount of answers

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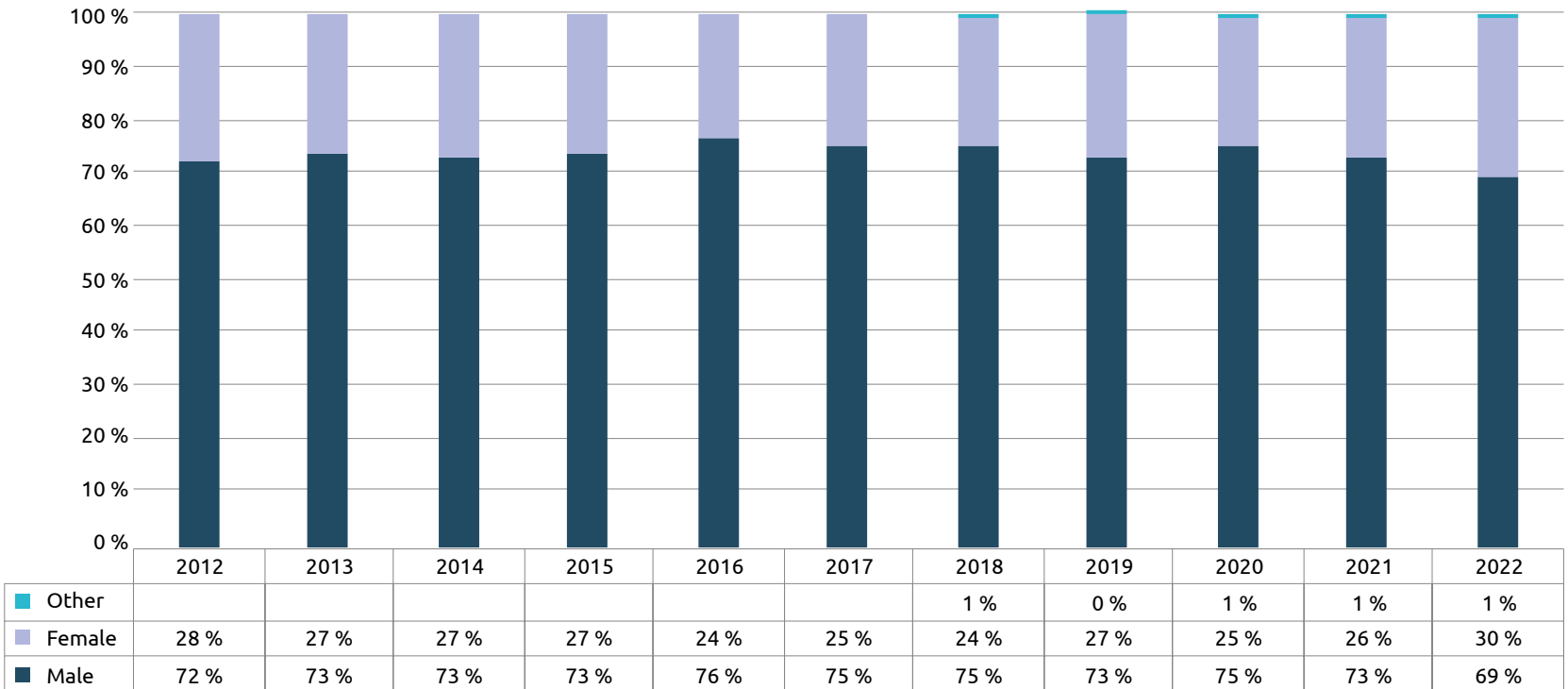


	2012 (n)	2013 (n)	2014 (n)	2015 (n)	2016 (n)	2017 (n)	2018 (n)	2019 (n)	2020 (n)	2021 (n)
ALL	1226	1459	1526	1914	2120	2312	2014	2270	2366	1712

Demographics

Gender

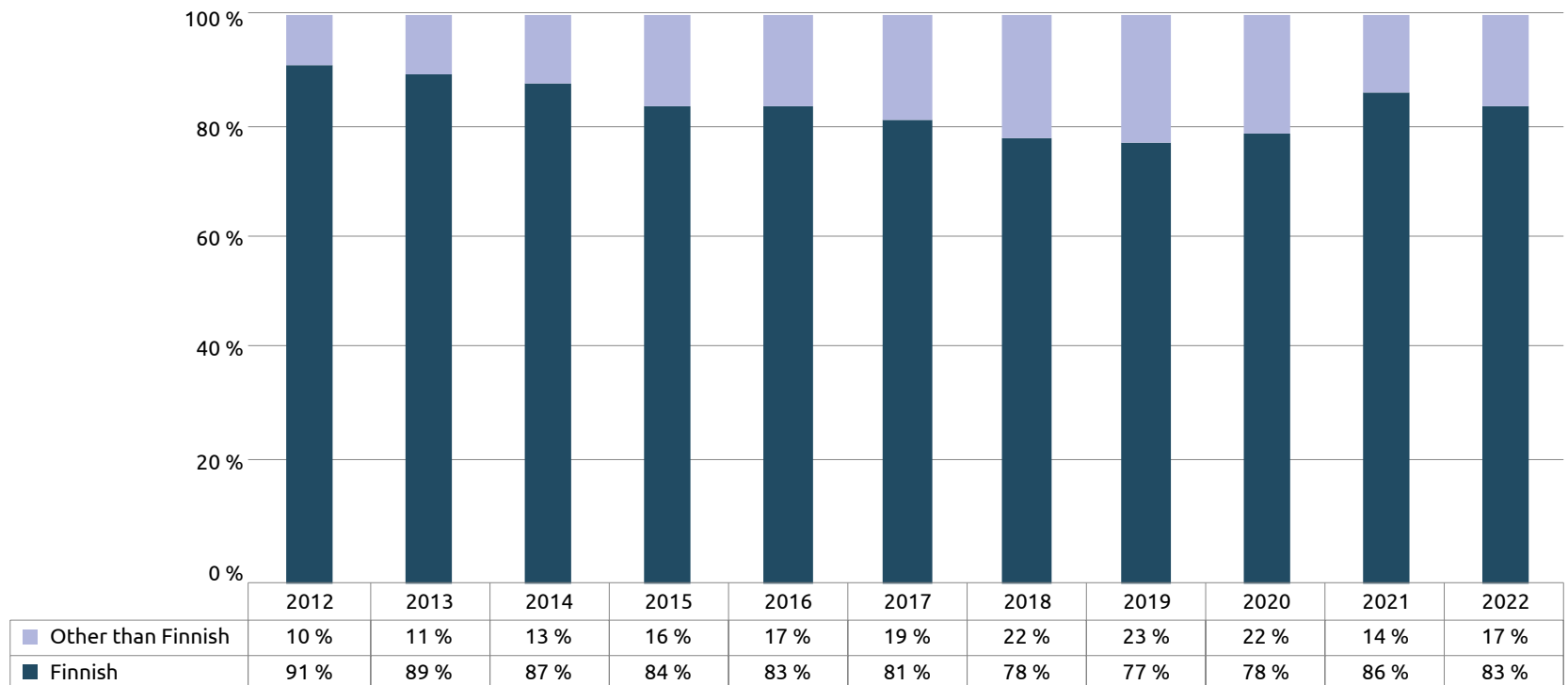
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Demographics

Nationality

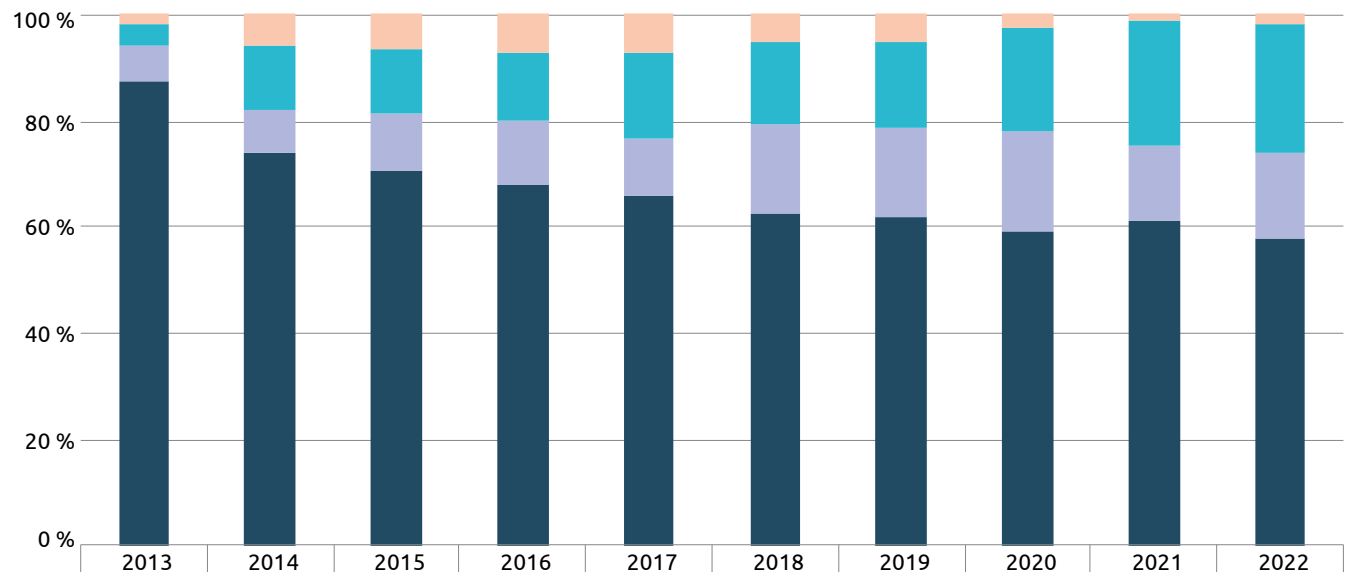
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Studies

The degree and location of studies before Master's studies

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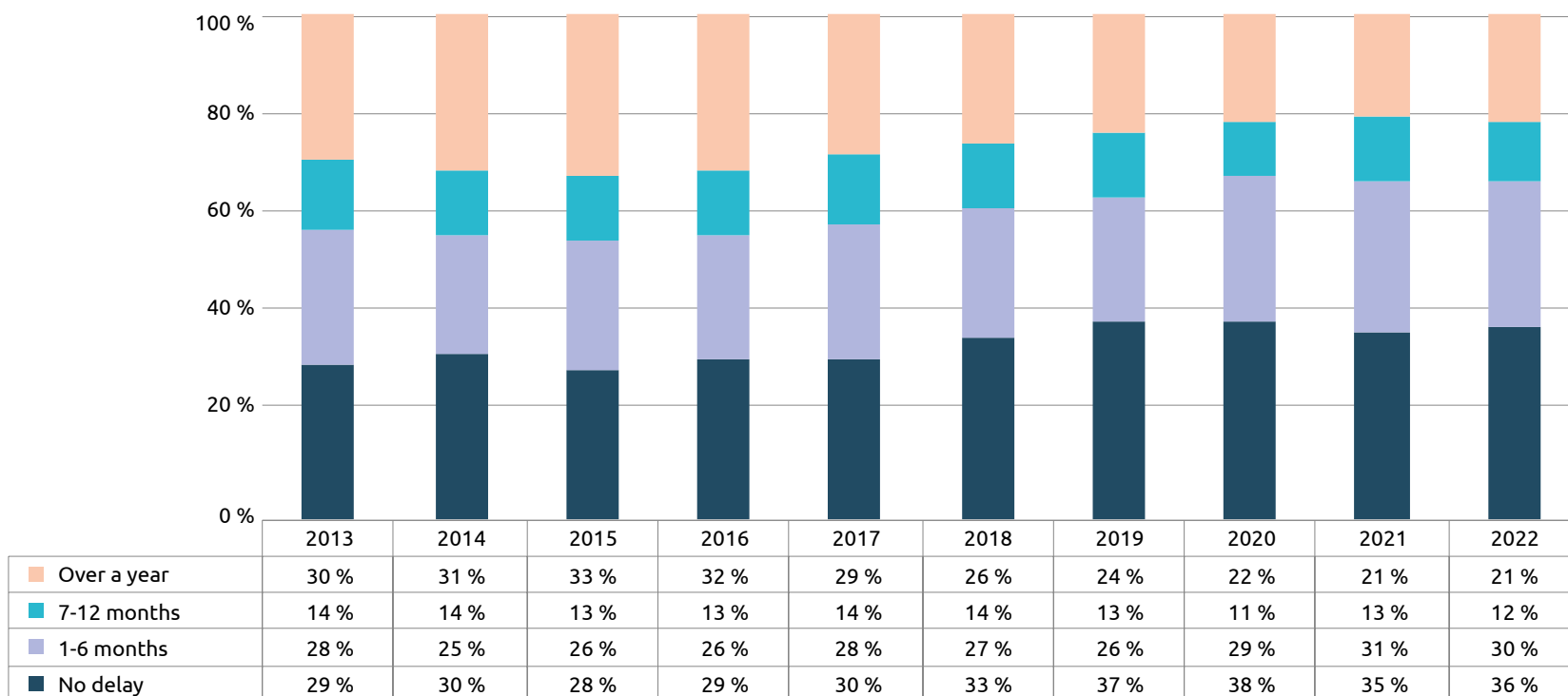


	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Other	2 %	6 %	7 %	7 %	7 %	5 %	5 %	3 %	1 %	2 %
B.Sc. degree from a university applied sciences (AMK)	4 %	12 %	12 %	14 %	16 %	16 %	16 %	20 %	24 %	24 %
B.Sc. at some other university than where graduated as M.Sc.	6 %	8 %	11 %	12 %	11 %	17 %	17 %	18 %	14 %	16 %
B.Sc. at the same university where graduated as M.Sc.	88 %	75 %	72 %	69 %	67 %	64 %	62 %	59 %	62 %	58 %

Studies

1. Delays in studies or graduation, amount

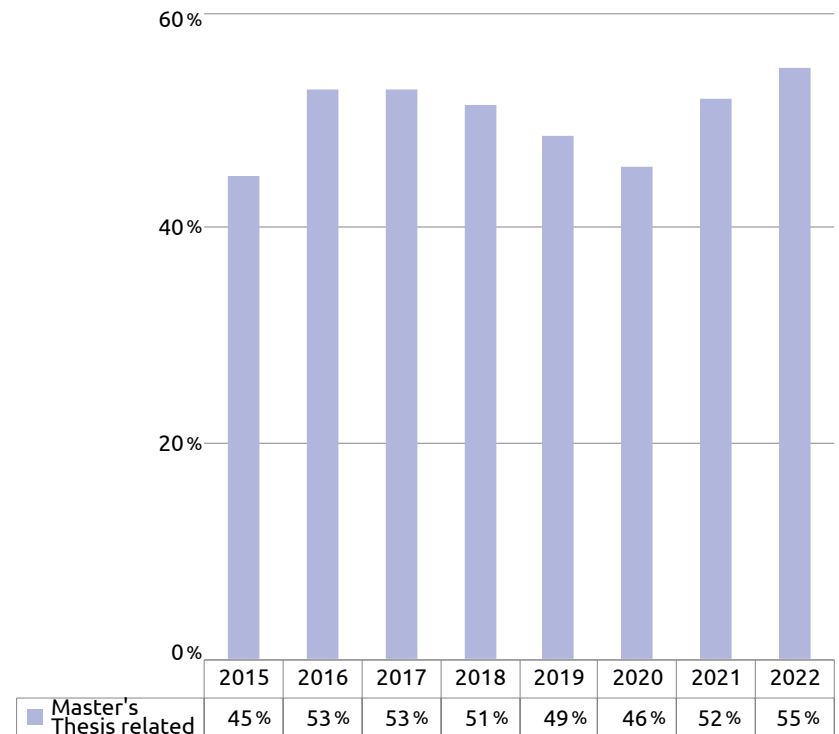
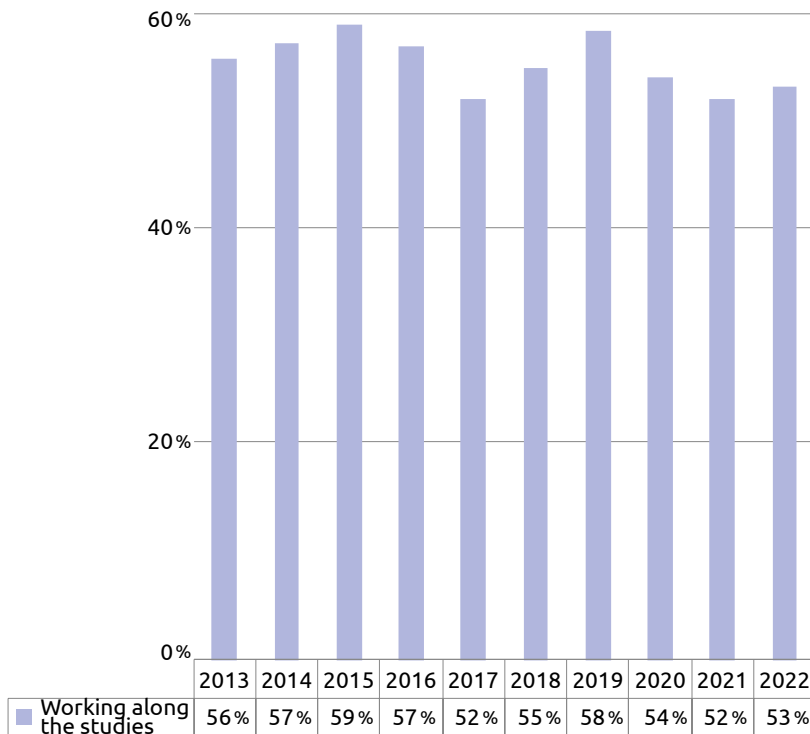
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Studies

2. Reasons for the delays among those whose studies were delayed

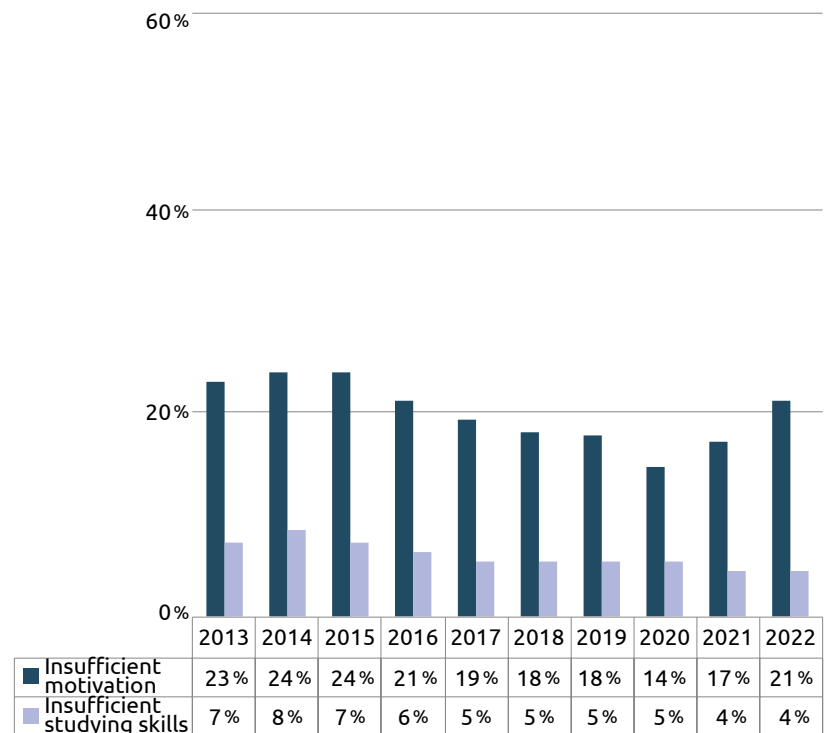
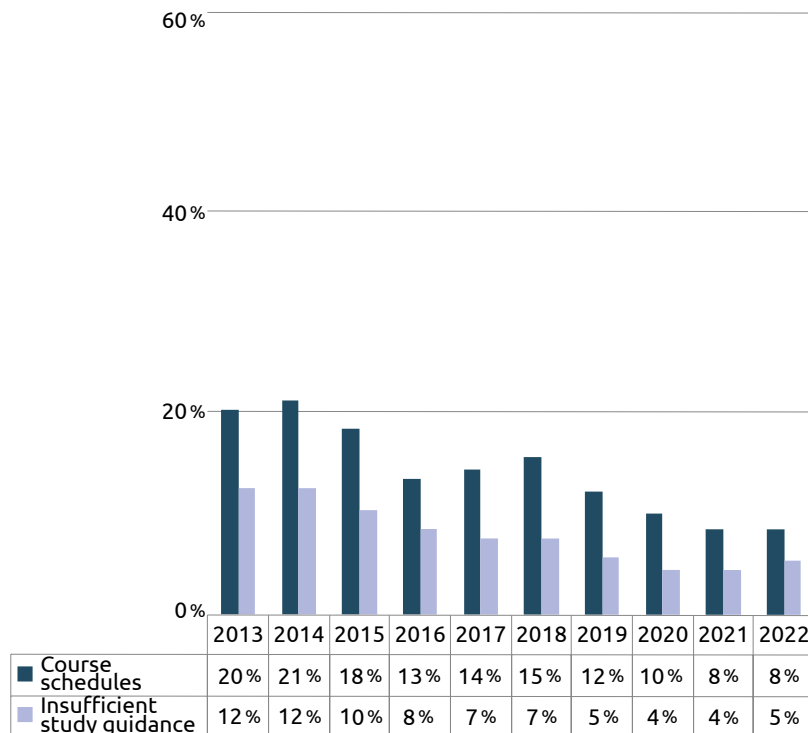
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Studies

2. Reasons for the delays among those whose studies were delayed

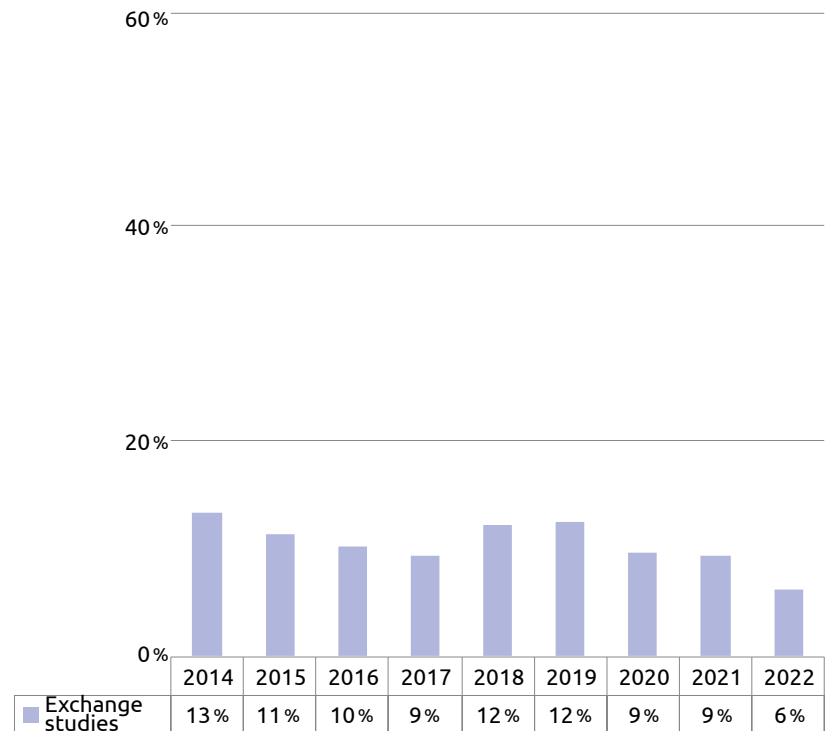
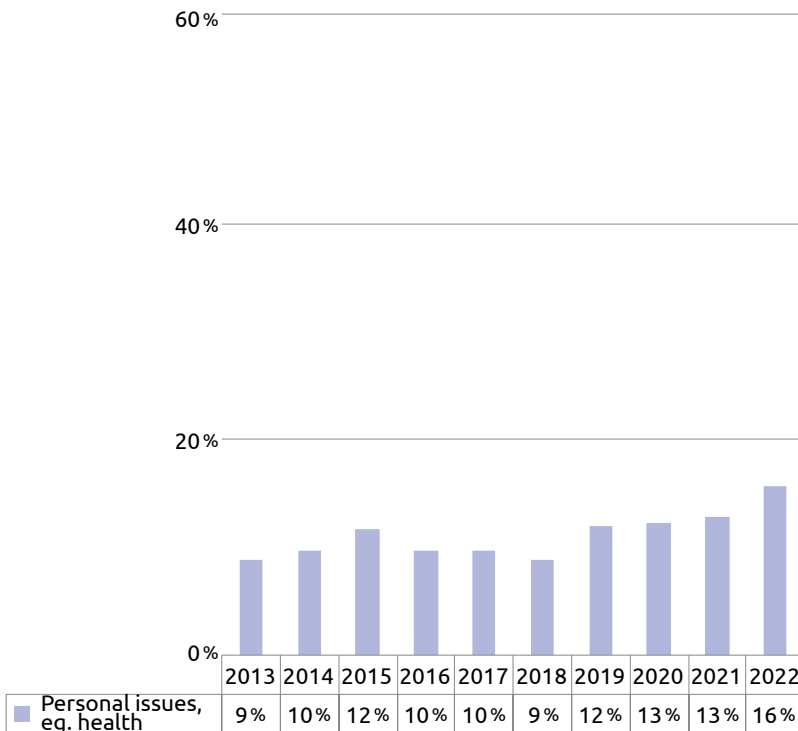
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Studies

2. Reasons for the delays among those whose studies were delayed

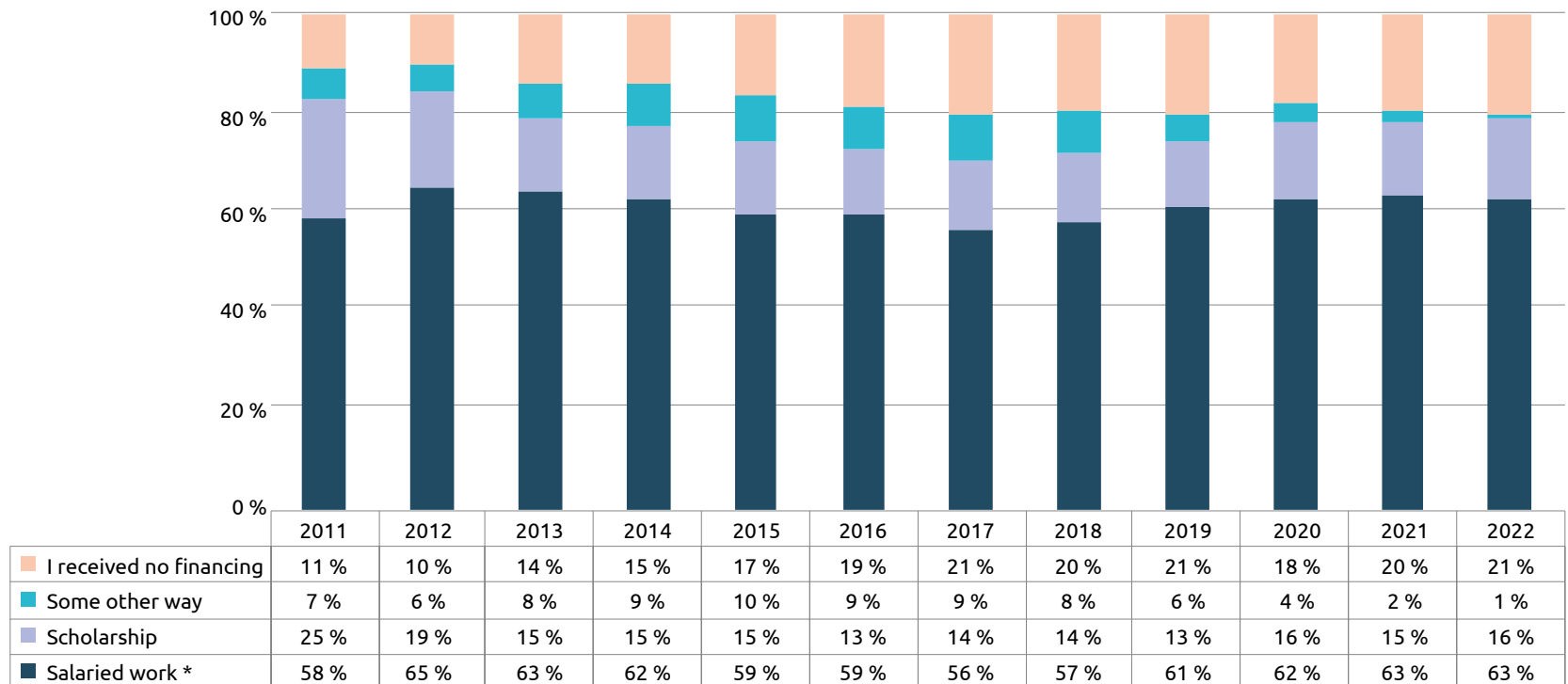
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Master's thesis

Financing of the Master's Thesis

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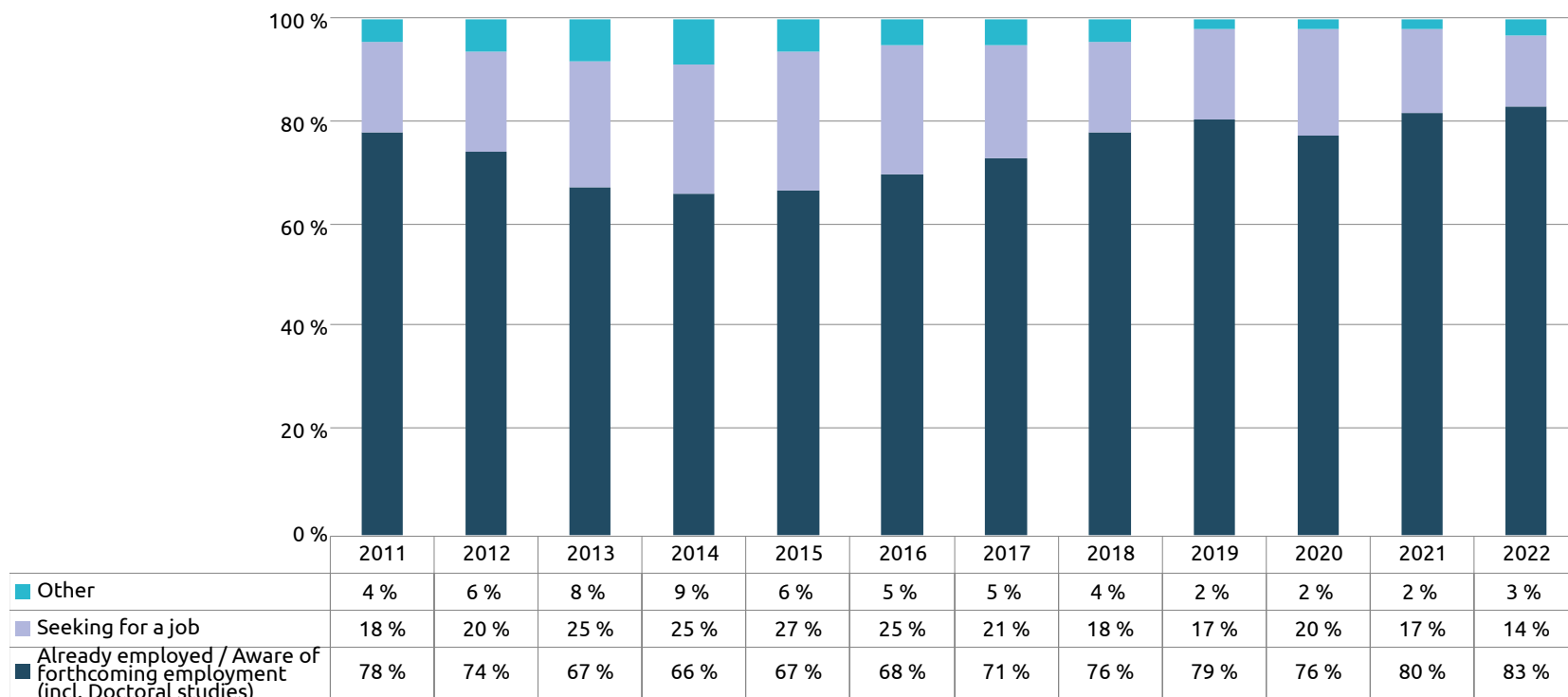


* Including monthly or hourly salary, or permission to use working time for thesis.

Employment

Employment at the time of graduation

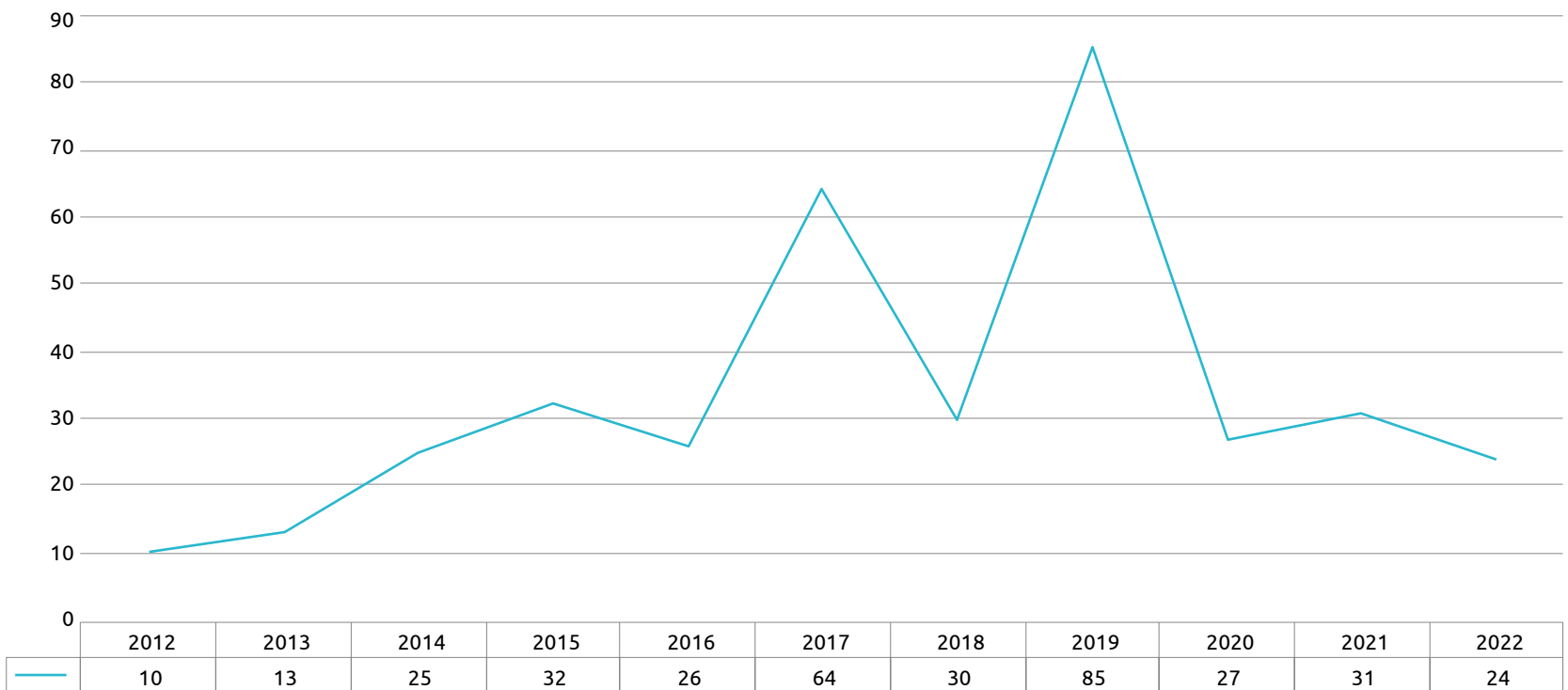
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Employment

I'm working as an entrepreneur.

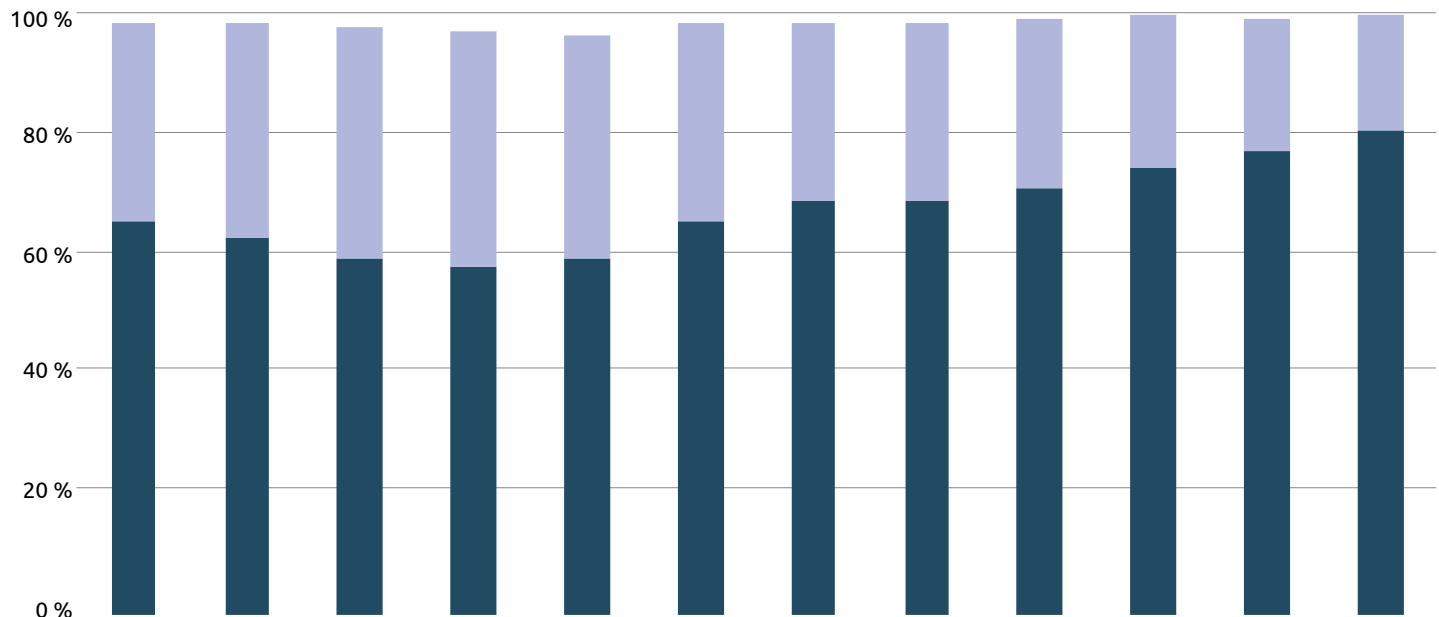
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Type of contract

Type of contract, if employed

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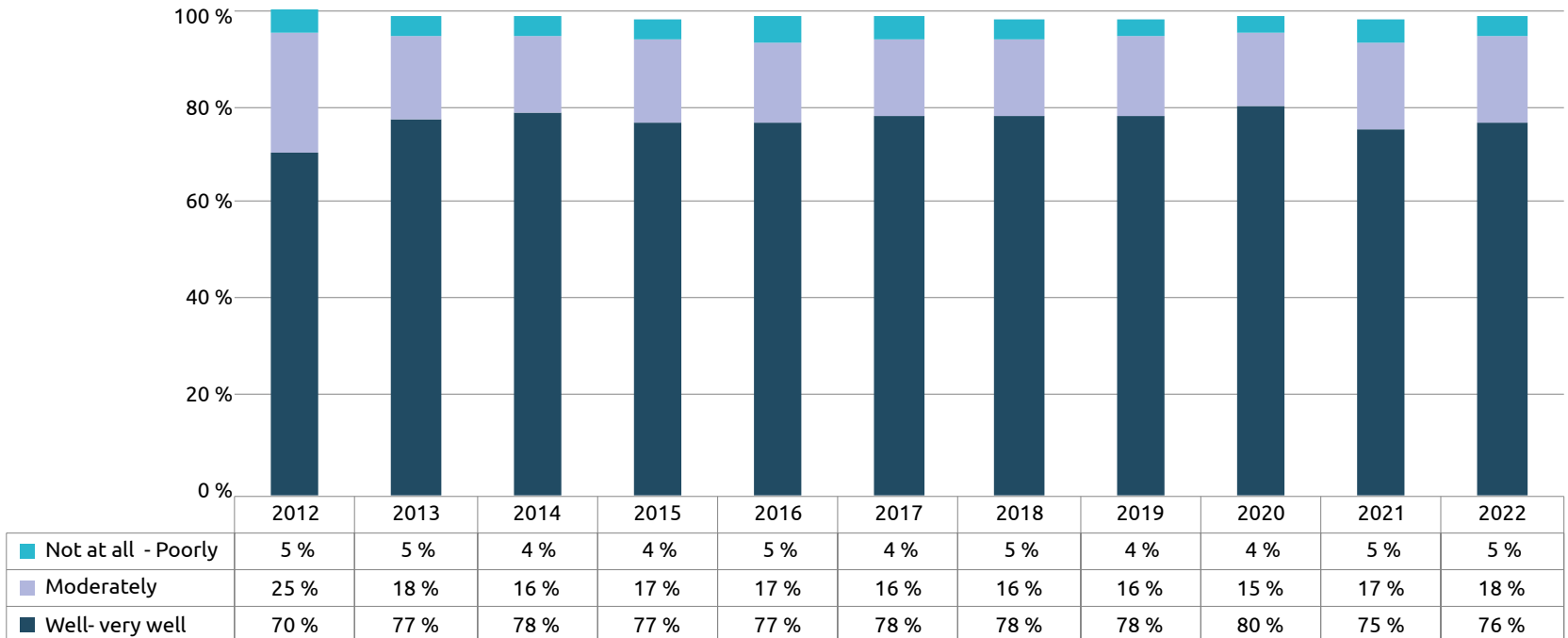


	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Fixed term / temporary	33 %	37 %	39 %	39 %	37 %	34 %	30 %	30 %	29 %	26 %	22 %	20 %
Permanent	65 %	62 %	59 %	58 %	59 %	65 %	69 %	69 %	71 %	74 %	77 %	80 %

Quality of the employment

How well does the level of demand in your job correspond with your educational level?

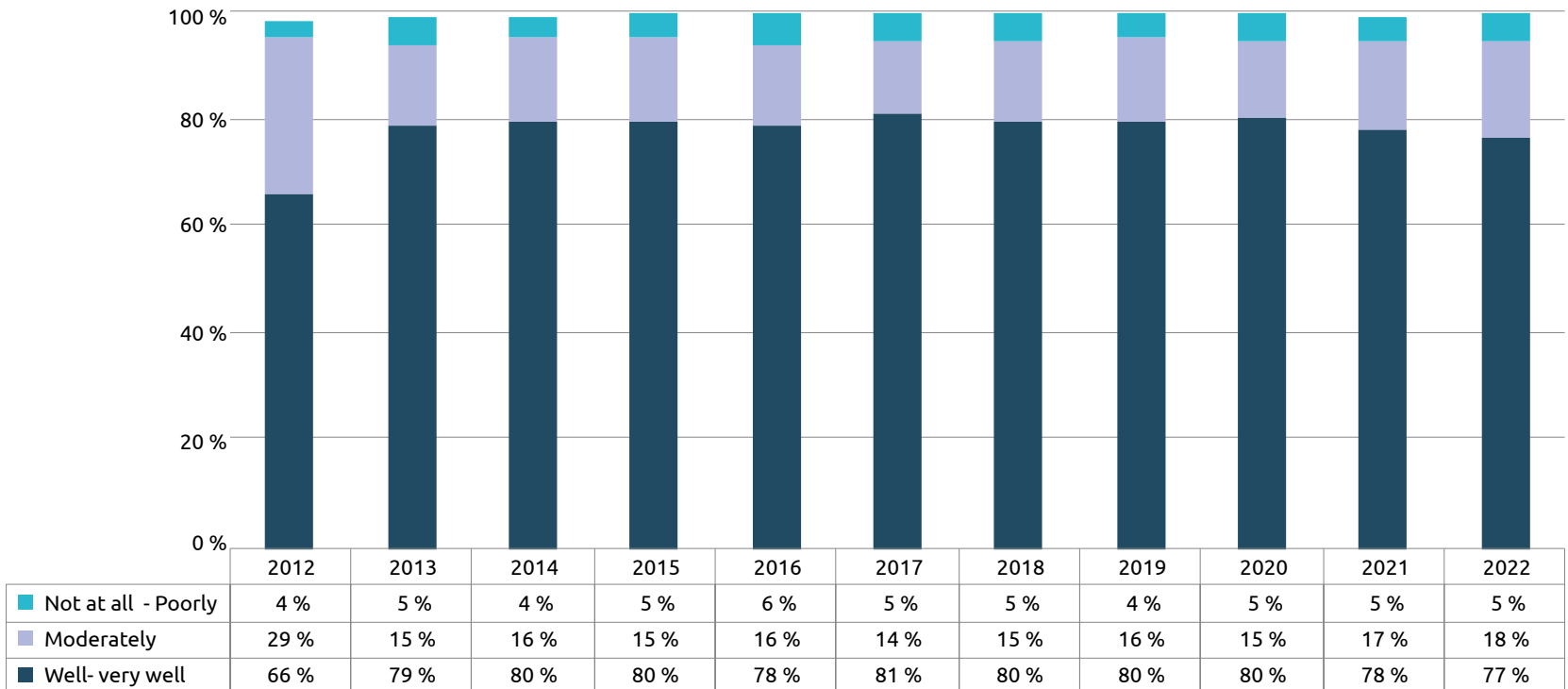
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Quality of the employment

How well does the content of your job correspond with your field of studies?

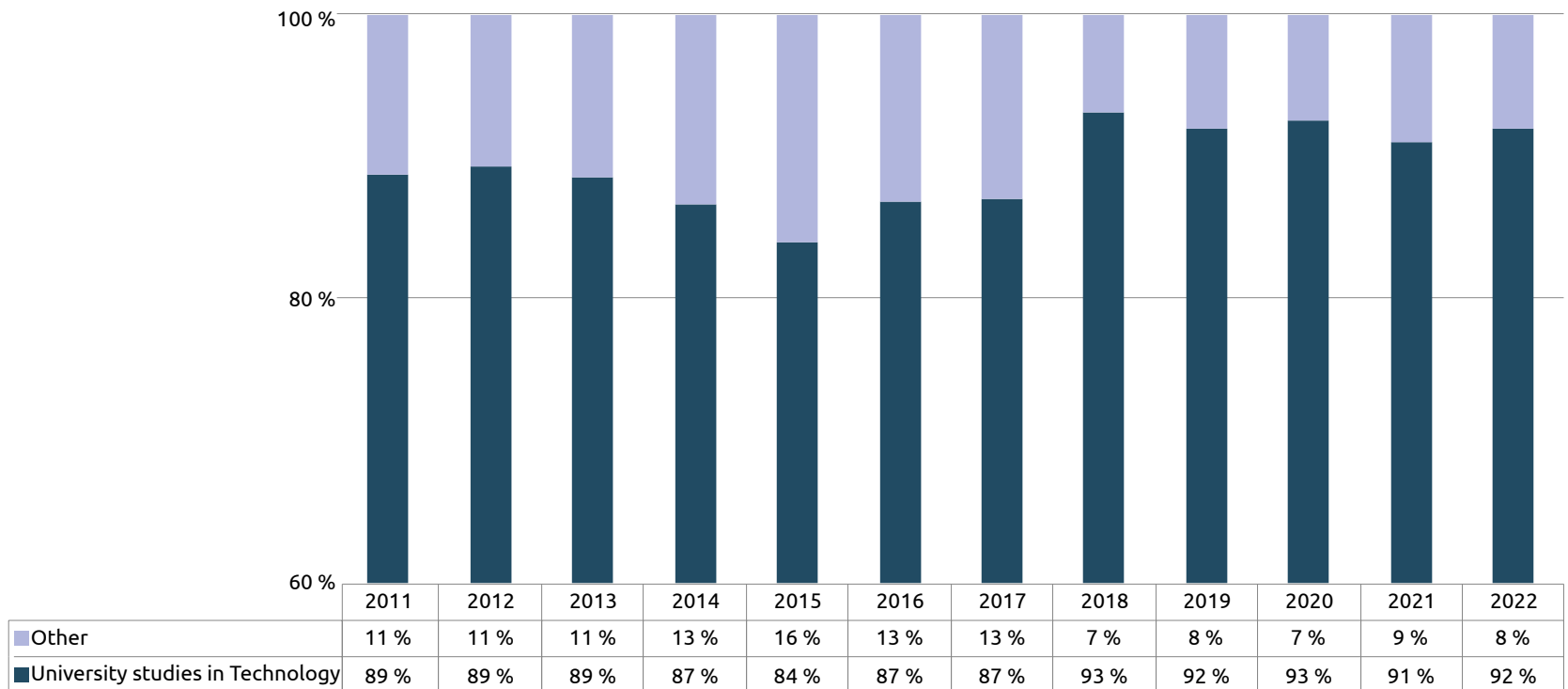
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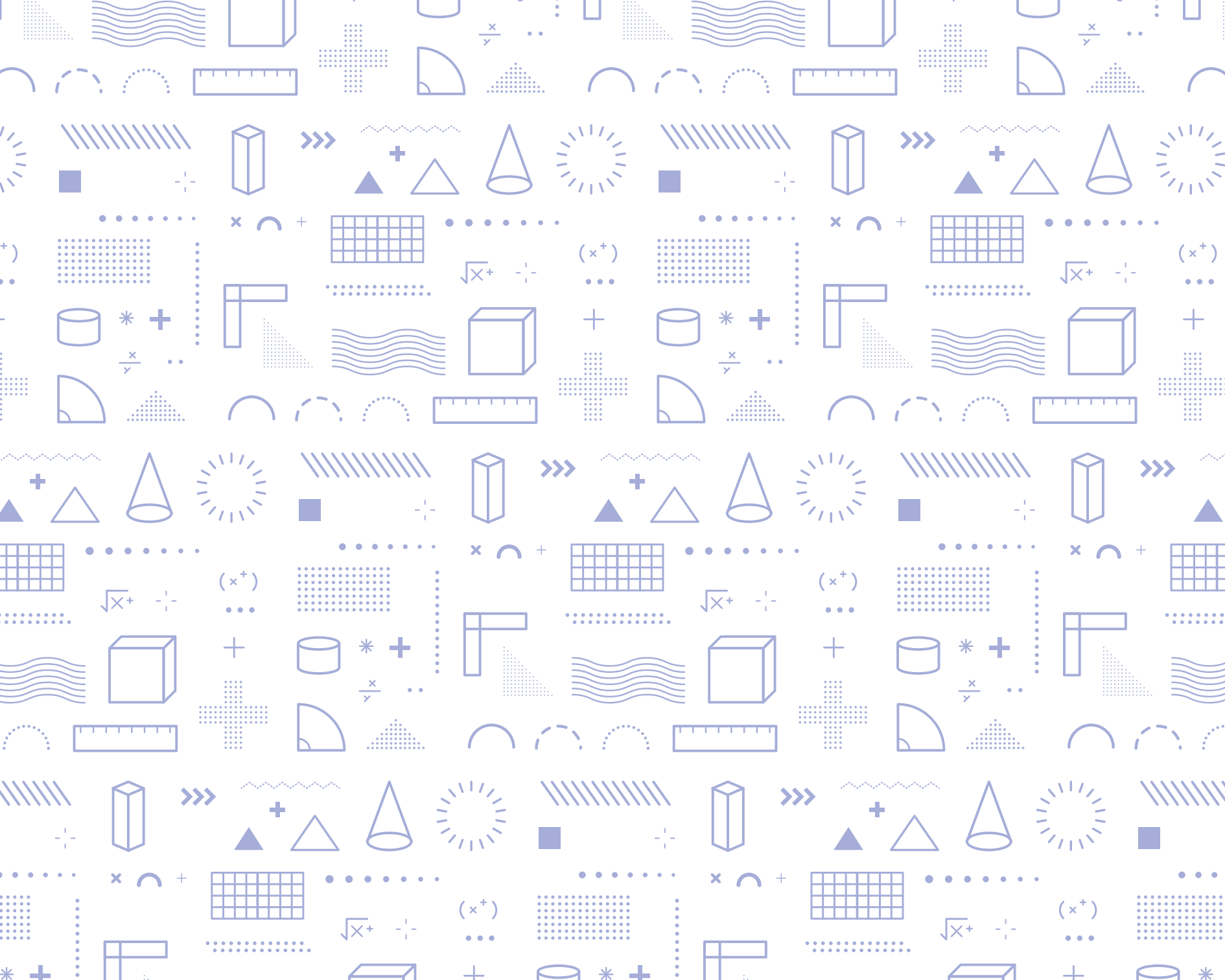


Reselection

If you could choose again, which line of education would you choose now?

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TEK Graduate Survey 2022

Academic Engineers and Architects in Finland TEK and Finnish universities in technology together carry out a yearly feedback survey for graduated academic engineers and architects.

The feedback and results are utilized in developing university education and influencing the educational policy making.

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