

How are graduates from universities of applied sciences doing?

Results of the national career monitoring survey conducted in autumn 2019 for UAS Bachelor's or Master's degree graduates of 2014



Kestävää kasvua ja työtä -ohjelma

Vipuvoimaa
EU:lta
2014–2020



Content

- Survey and respondents
- Satisfaction with degree
- Work situation and overall career
- Correspondence between competence and job
- Education after graduation
- More information and results

Kestävää kasvua ja työtä -ohjelma

Vipuvoimaa
EU:lta
2014–2020



Euroopan unioni
Euroopan sosiaalirahasto

AMKISTA URALLE

Uraseurantatiedot käyttöön



Survey and respondents

Kestävää kasvua ja työtä -ohjelma

TURKU AMK
TURKU UNIVERSITY OF
APPLIED SCIENCES

HAMK
HÄMEEN AMMATTIKORKEAKOULU
HAMME UNIVERSITY OF APPLIED SCIENCES

LAUREA
AMMATTIKORKEAKOULU
Yhteisöä eteenpäin

OAMK
OULUN AMMATTIKORKEAKOULU

**Tampereen
ammattikorkeakoulu**

**OPISKELUN JA
KOULUTUKSEN
TUTKIMUSSÄÄTIÖ**

**Vipuvoimaa
EU:lta
2014–2020**



Euroopan unioni
Euroopan sosiaalirahasto

Background

The results are based on the national career monitoring surveys carried out in the From UAS to Career – Career Data for All project. They describe UAS graduates' careers in a period of five years after the graduation.

The results at hand are based on the responses of those who have completed a UAS Bachelor's or Master's degree in 2014. The survey was sent in late 2019 to all alumni in the target group, whose contact information was available. The data source was higher education institutions' student and alumni records. Some results also include the responses of graduates of 2013 from the previous survey round.

Also in the future, the survey will be carried out in October–November among those who have graduated 5 years earlier. Selected questions from the career monitoring survey are also used as qualitative employment indicators of universities of applied sciences. 3% of universities of applied sciences' basic funding is determined based on the responses.

Kestävää kasvua ja työtä -ohjelma

Vipuvoimaa
EU:lta
2014–2020



Euroopan unioni
Euroopan sosiaalirahasto

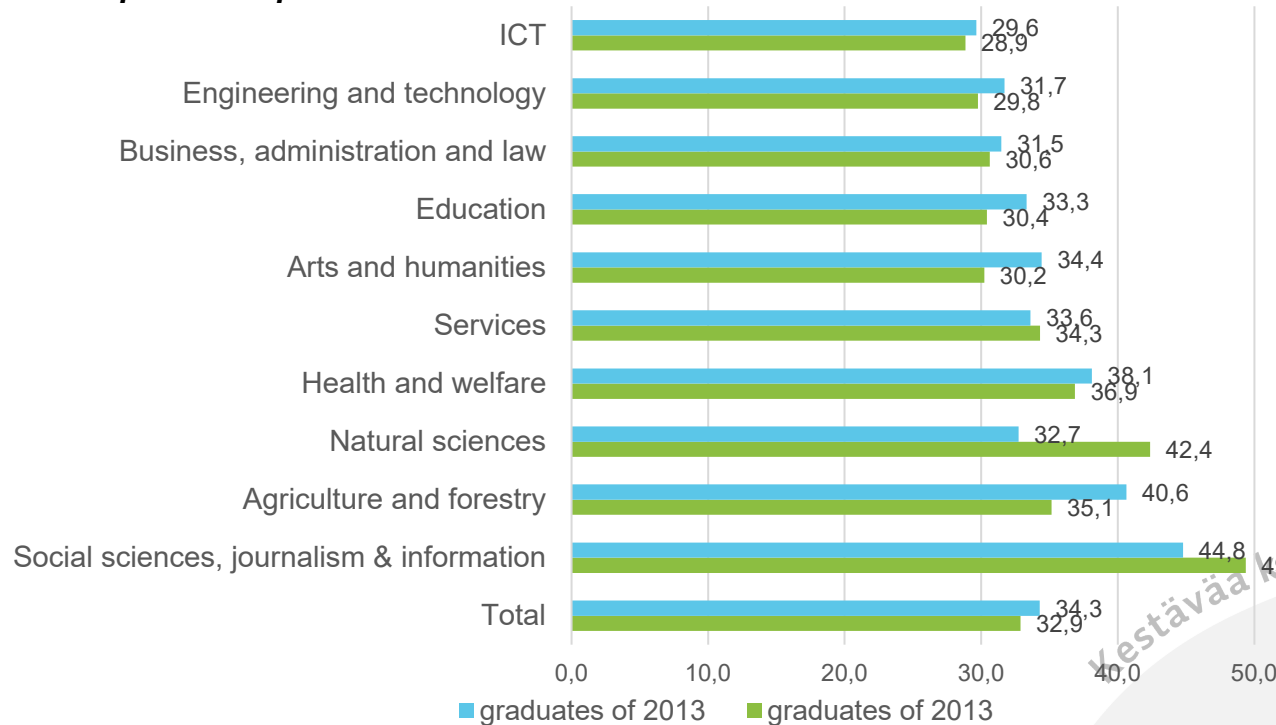
Response rates

The response rate of the graduates of 2014 was 34.3 (8 535 / 24 895 respondents).

The response rate varied to some degree based on background variables:

- Bachelor's degree graduates 33.8%, Master's degree graduates 40%
- Women 36.6%, men 30.5%
- Response rate of younger age groups was lower than that of older age groups. The lowest response rate was among 25–29-year-old graduates (30.8%), and the highest among 50–54-year-old graduates (46.3%) and over 65-year-old graduates (50%).
- Finnish 35.4%, Swedish 44.1%, others 15.3%

Field-specific response rates:



Vestävää kasvua ja työtä -ohjelma

Vipuvoimaa
EU:lta
2014–2020



Euroopan unioni
Euroopan sosiaalirahasto

Satisfaction with degree

Kestävää kasvua ja työtä -ohjelma

Survey statements and questions connected to evaluation of satisfaction with degree:

- **Statements** (*Completely disagree... Completely agree*)
 - Employers value my degree.
 - I would recommend my studies to others.
 - The degree equipped me sufficiently for working life.
 - The degree offered entrepreneurship skills.
- How satisfied are you overall with the degree you completed in 2014 in terms of your career? (*Very unsatisfied...Very satisfied*)

Kestävää kasvua ja työtä -ohjelma

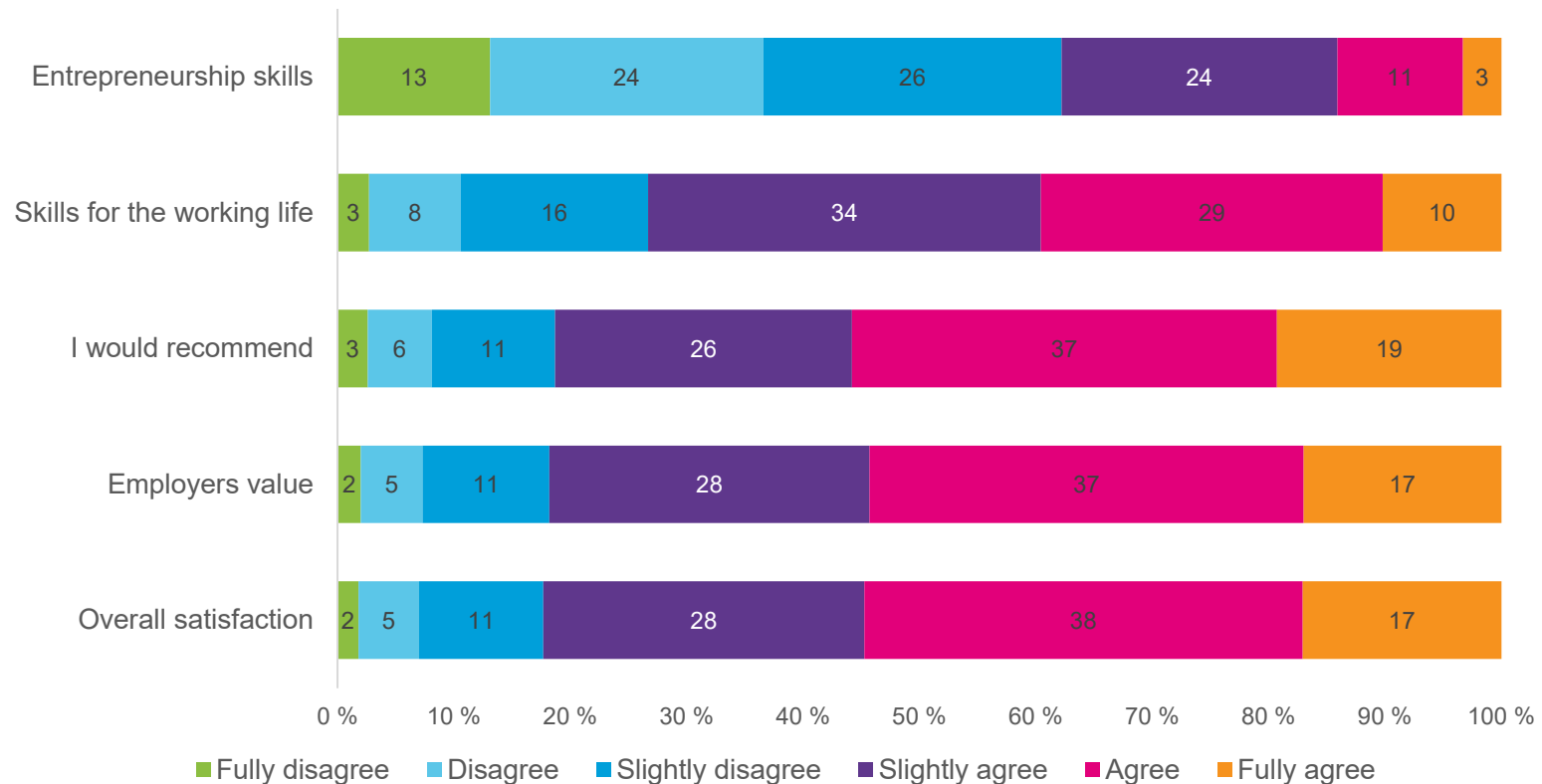
Vipuvoimaa
EU:lta
2014–2020



Euroopan unioni
Euroopan sosiaalirahasto

Satisfaction with degree (%)

Graduates of 2014 (N = 8 535). Data weighted according to gender and mother tongue



The statements/questions presented in the indicator are found on the previous page in their entirety.

Kestävää kasvua ja työtä -ohjelma

Vipuvoimaa
EU:lta
2014–2020

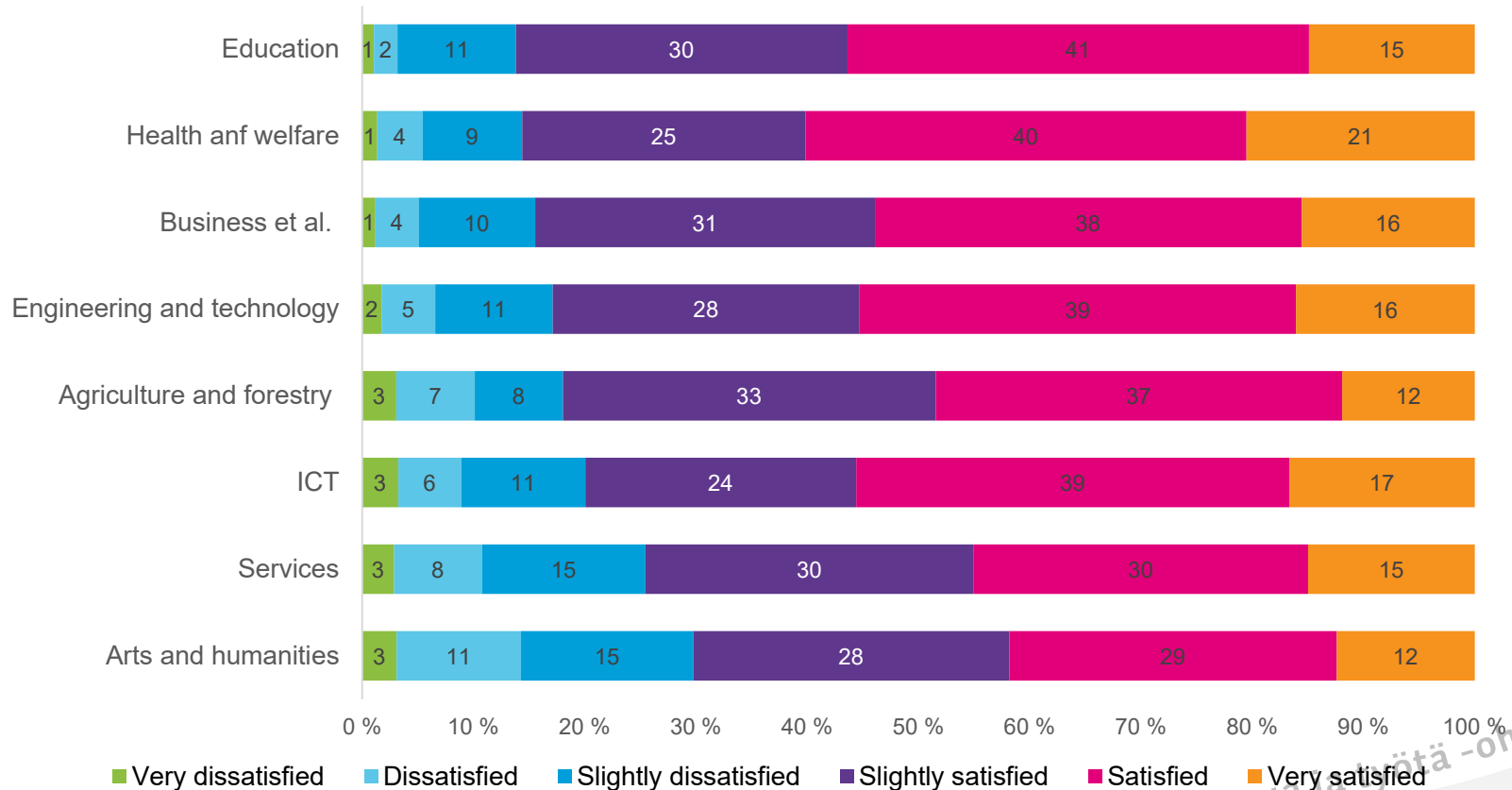


Euroopan unioni
Euroopan sosiaalirahasto

Satisfaction with degree by field (%)

(%, $p < 0.001$)

Graduates of 2014 (N = 8 535). Data weighted according to gender and mother tongue.



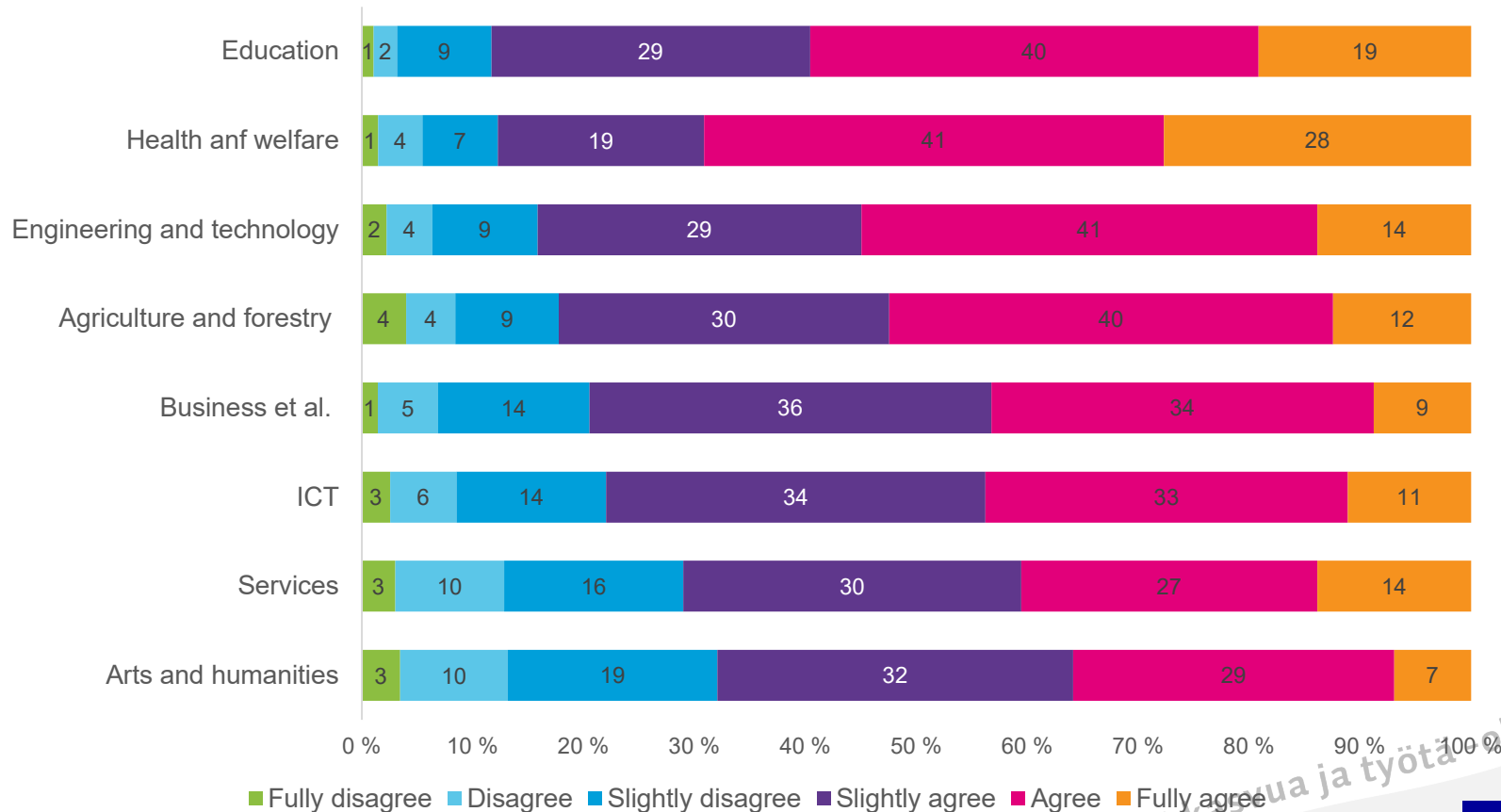
Kestävää kasvua ja työtä -ohjelma

Vipuvoimaa
EU:lta
2014–2020



"Employers value my degree" by field (%)

(%, p < 0.001) Graduates of 2014 (N = 8 535). Data weighted according to gender and mother tongue.

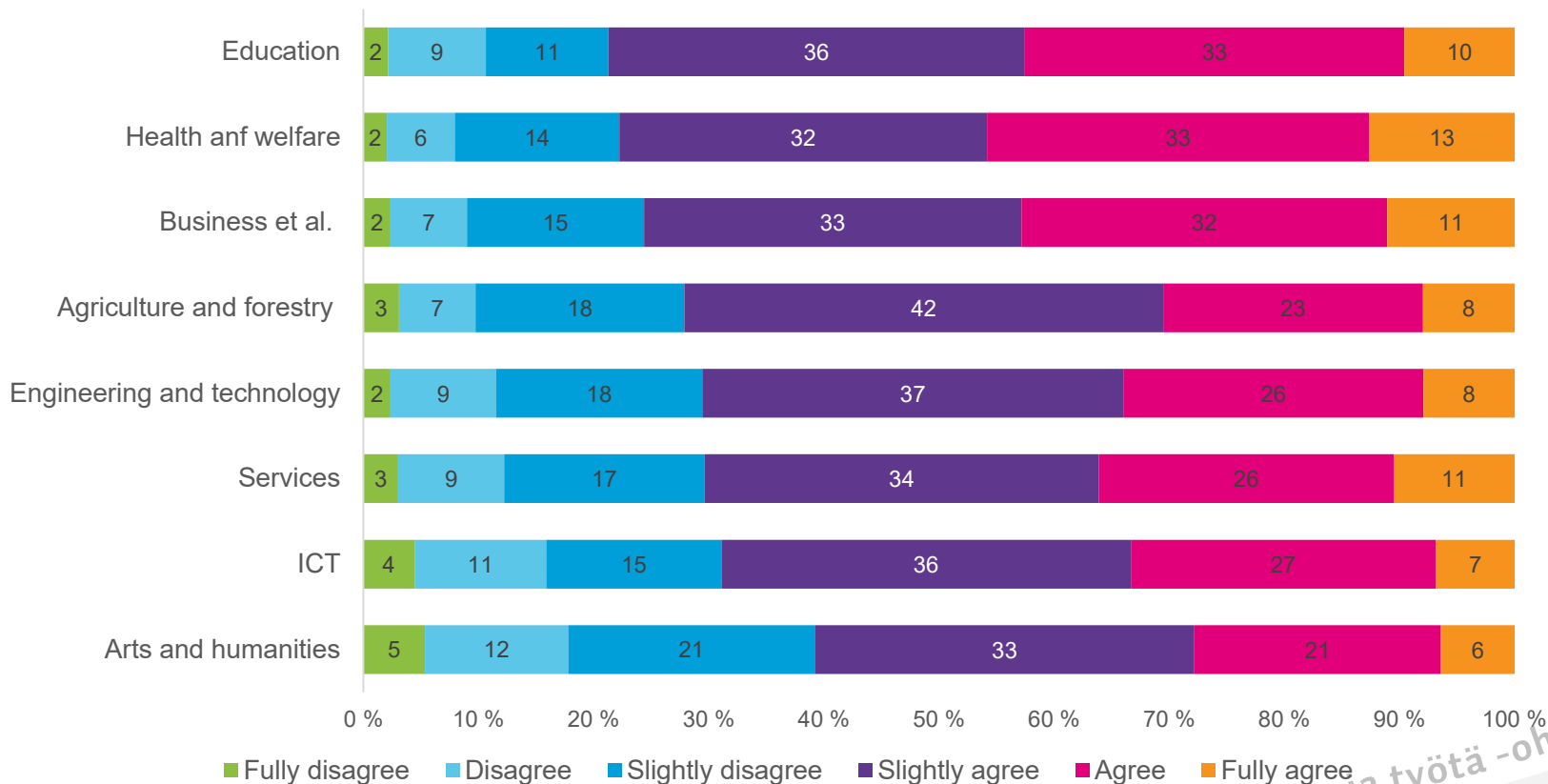


Kestävää kasvua ja työtä-ohjelma



”The degree equipped me sufficiently for working life” by field (%) , $p > 0.001$

Graduates of 2014 (N = 8 535). Data weighted according to gender and mother tongue.



Kestävää kasvua ja työtä -ohjelma

Vipuvoimaa
EU:lta
2014–2020



Euroopan unioni
Euroopan sosiaalirahasto

Relative probability of being satisfied with the degree, logistic regression analysis (next page)

- The data is the combined, unweighted data of graduates of 2013 and 2014.
- The relative probability of the individual being satisfied with their degree is explained (vs. is not satisfied).
- The odds ratio is reported.
 - Each variable has a comparison class (CC)*, which gets the value 1.00 and to which the other classes of the variable are compared.
- A direct impact is obtained, when there is only one variable in the model.
- When all variables are added to the model at the same time, it can be seen which variable has an independent impact on the variable being explained and which variables' impact has been indirect.
- The explanation rate of the model describes, how large a share of the observations can be explained with the descriptive variables included in the model. An explanation rate of 38.4% (Nagelkerke R²) is notably large when studying the social reality, on which almost an unlimited number of different factors related to the individual and community have an impact.

*= comparison class (CC), abbreviation used in the figure on the next page

Kestävä kasvua ja työtä -ohjelma

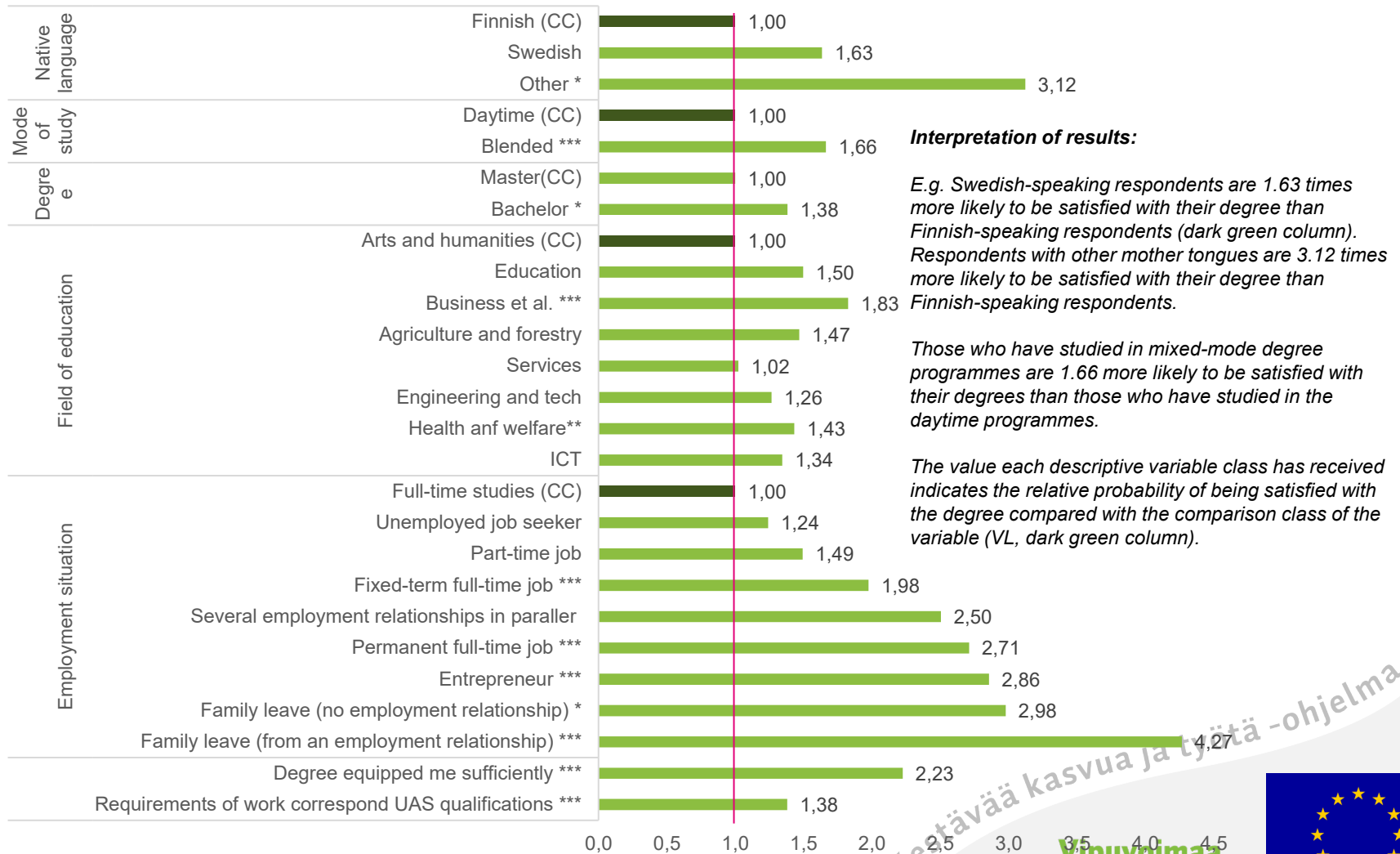
Vipuvoimaa
EU:lta
2014–2020



Euroopan unioni
Euroopan sosiaalirahasto

Relative probability of being satisfied with the degree

Logistic regression analysis CC = comparison class, always gets value 1.



Interpretation of results:

E.g. Swedish-speaking respondents are 1.63 times more likely to be satisfied with their degree than Finnish-speaking respondents (dark green column). Respondents with other mother tongues are 3.12 times more likely to be satisfied with their degree than Finnish-speaking respondents.

Those who have studied in mixed-mode degree programmes are 1.66 more likely to be satisfied with their degrees than those who have studied in the daytime programmes.

The value each descriptive variable class has received indicates the relative probability of being satisfied with the degree compared with the comparison class of the variable (VL, dark green column).

AMKISTA URALLE

Uraseurantatiedot käyttöön



Work situation and overall career

Kestävää kasvua ja työtä -ohjelma



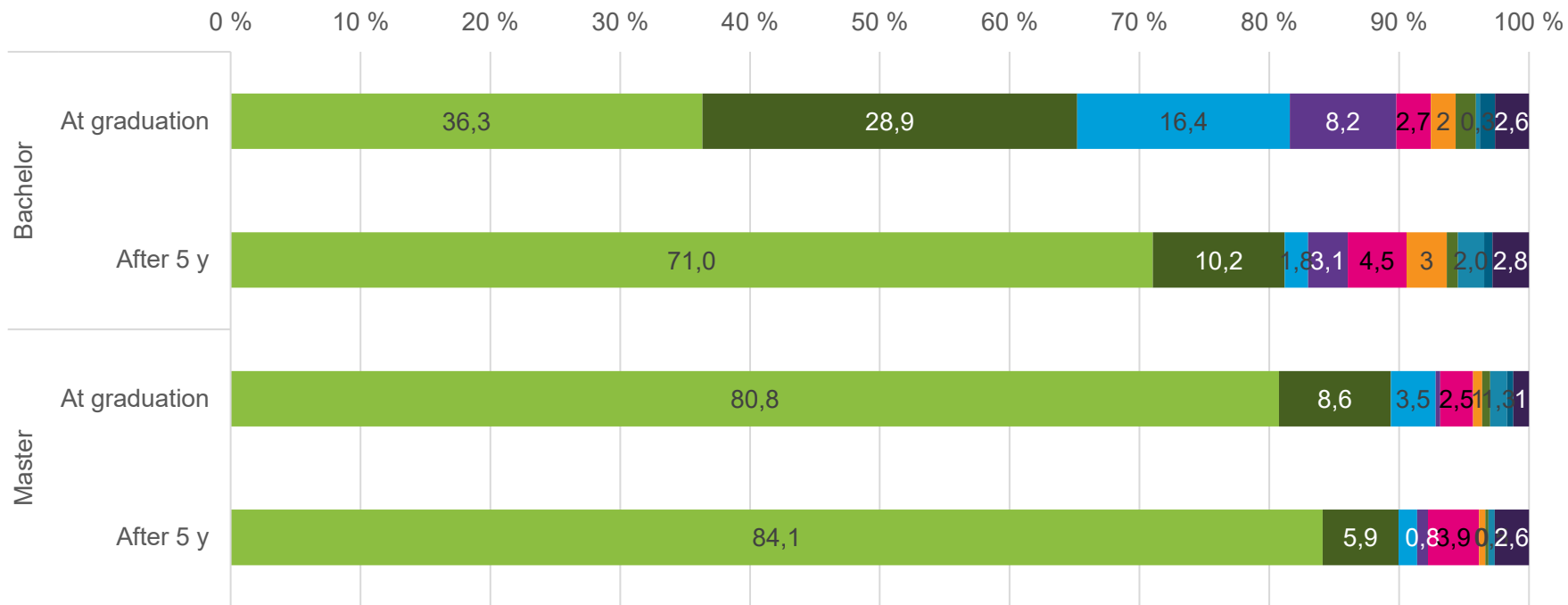
Vipuvoimaa
EU:lta
2014–2020



Euroopan unioni
Euroopan sosiaalirahasto

Work situation at the time of graduation and 5 years later

Graduates of 2014



- Permanent full-time job
- Fixed-term full-time job
- Unemployed job seeker
- Part-time job
- Entrepreneur/freelancer
- Full-time studies
- Several employment relationships in parallel
- Family leave (from an employment relationship)
- Family leave (no employment relationship)
- Other

Kestävää kasvua ja työtä -ohjelma

Vipuvoimaa
EU:lta
2014–2020

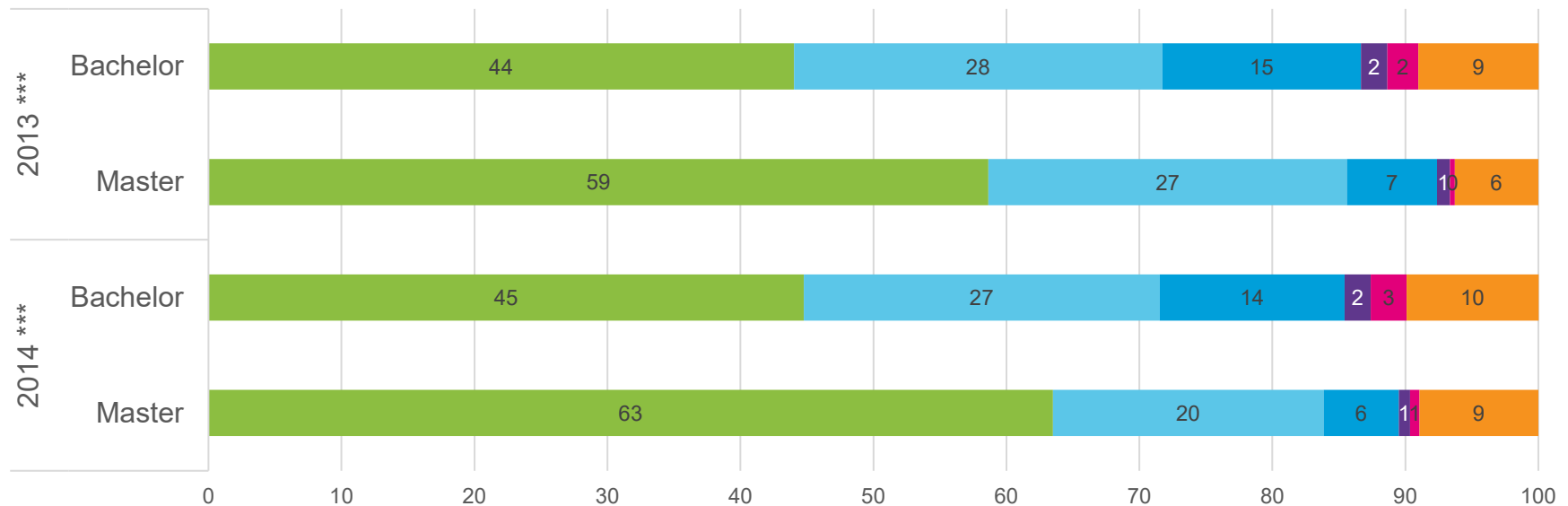


Euroopan unioni
Euroopan sosiaalirahasto

Work situation 5 years after graduation according to the situation at the time of graduation (graduates of 2014, %)

Example: 57,3% of graduates who were unemployed at the time of graduation had permanent full-time employment and 14 % fixed-term full-time employment when the survey was made.	Situation after 5 years														
	Permanent full-time job	Several employment relationships in parallel	Outside the labour force	Labour force training or similar	Unemployed job seeker	Working with a grant	Subsidised employment/practical training	Full-time studies	Family leave (from an employment relationship)	Family leave (no employment relationship)	Part-time job	Fixed-term full-time job	Other	Entrepreneur/freelancer	Total
Situation at the time of graduation (below)															
Permanent full-time job	87,8 %	0,1 %	0,1 %	0,1 %	0,6 %	0,0 %	0,1 %	1,0 %	1,7 %	0,1 %	1,0 %	3,6 %	1,3 %	2,5 %	100,0 %
Several employment relationships in parallel	47,7 %	11,9 %	0,0 %	0,4 %	2,1 %	0,4 %	0,0 %	3,7 %	1,6 %	0,4 %	4,9 %	14,8 %	4,5 %	7,4 %	100,0 %
Outside the labour force	55,6 %	2,2 %	6,7 %	0,0 %	4,4 %	2,2 %	0,0 %	2,2 %	2,2 %	0,0 %	8,9 %	8,9 %	2,2 %	4,4 %	100,0 %
Labour force training or similar	65,0 %	0,0 %	0,0 %	0,0 %	0,0 %	0,0 %	0,0 %	20,0 %	0,0 %	0,0 %	5,0 %	10,0 %	0,0 %	0,0 %	100,0 %
Unemployed job seeker	57,3 %	0,9 %	0,3 %	0,6 %	6,8 %	0,1 %	0,7 %	6,3 %	1,4 %	1,1 %	5,0 %	14,0 %	2,8 %	2,7 %	100,0 %
Working with a grant	28,6 %	0,0 %	0,0 %	7,1 %	0,0 %	14,3 %	0,0 %	7,1 %	0,0 %	0,0 %	21,4 %	14,3 %	0,0 %	7,1 %	100,0 %
Subsidised employment/practical training	53,6 %	1,4 %	0,0 %	0,0 %	7,2 %	0,0 %	1,4 %	2,9 %	0,0 %	0,0 %	5,8 %	11,6 %	7,2 %	8,7 %	100,0 %
Full-time studies	60,3 %	1,0 %	0,0 %	0,6 %	3,2 %	0,0 %	0,3 %	8,7 %	0,6 %	1,3 %	3,5 %	13,1 %	3,5 %	3,8 %	100,0 %
Family leave (from an employment relationship)	68,4 %	0,0 %	0,0 %	0,0 %	0,0 %	0,0 %	0,0 %	0,0 %	13,7 %	0,0 %	2,1 %	9,5 %	3,2 %	3,2 %	100,0 %
Family leave (no employment relationship)	51,9 %	1,0 %	1,0 %	0,0 %	1,9 %	0,0 %	0,0 %	2,9 %	2,4 %	7,7 %	5,8 %	18,8 %	2,9 %	3,8 %	100,0 %
Part-time job	61,6 %	1,7 %	0,3 %	0,0 %	1,8 %	0,2 %	0,4 %	5,3 %	2,5 %	0,5 %	10,4 %	9,9 %	1,4 %	3,9 %	100,0 %
Fixed-term full-time job	70,4 %	0,5 %	0,1 %	0,1 %	0,9 %	0,1 %	0,1 %	2,9 %	2,7 %	0,8 %	2,2 %	15,8 %	1,7 %	1,8 %	100,0 %
Other	53,3 %	1,9 %	0,8 %	0,4 %	3,1 %	0,8 %	0,0 %	3,9 %	2,3 %	0,8 %	4,2 %	10,8 %	12,4 %	5,4 %	100,0 %
Entrepreneur/freelancer	25,2 %	1,2 %	0,5 %	0,2 %	2,4 %	0,0 %	0,0 %	1,5 %	0,0 %	0,2 %	2,2 %	7,3 %	2,9 %	56,4 %	100,0 %
Total	72,7 %	0,7 %	0,2 %	0,2 %	1,8 %	0,1 %	0,2 %	2,9 %	2,0 %	0,6 %	2,9 %	9,7 %	2,0 %	4,0 %	100,0 %

Which of the following options best describes your career so far? (%)



- Continuously working for the same employer or as an entrepreneur
- Working for several different employers or temporary jobs or assignments
- Changing employers or duties, with breaks
- Unemployment alternating with occasional temporary jobs
- Mainly outside the labour force
- Other

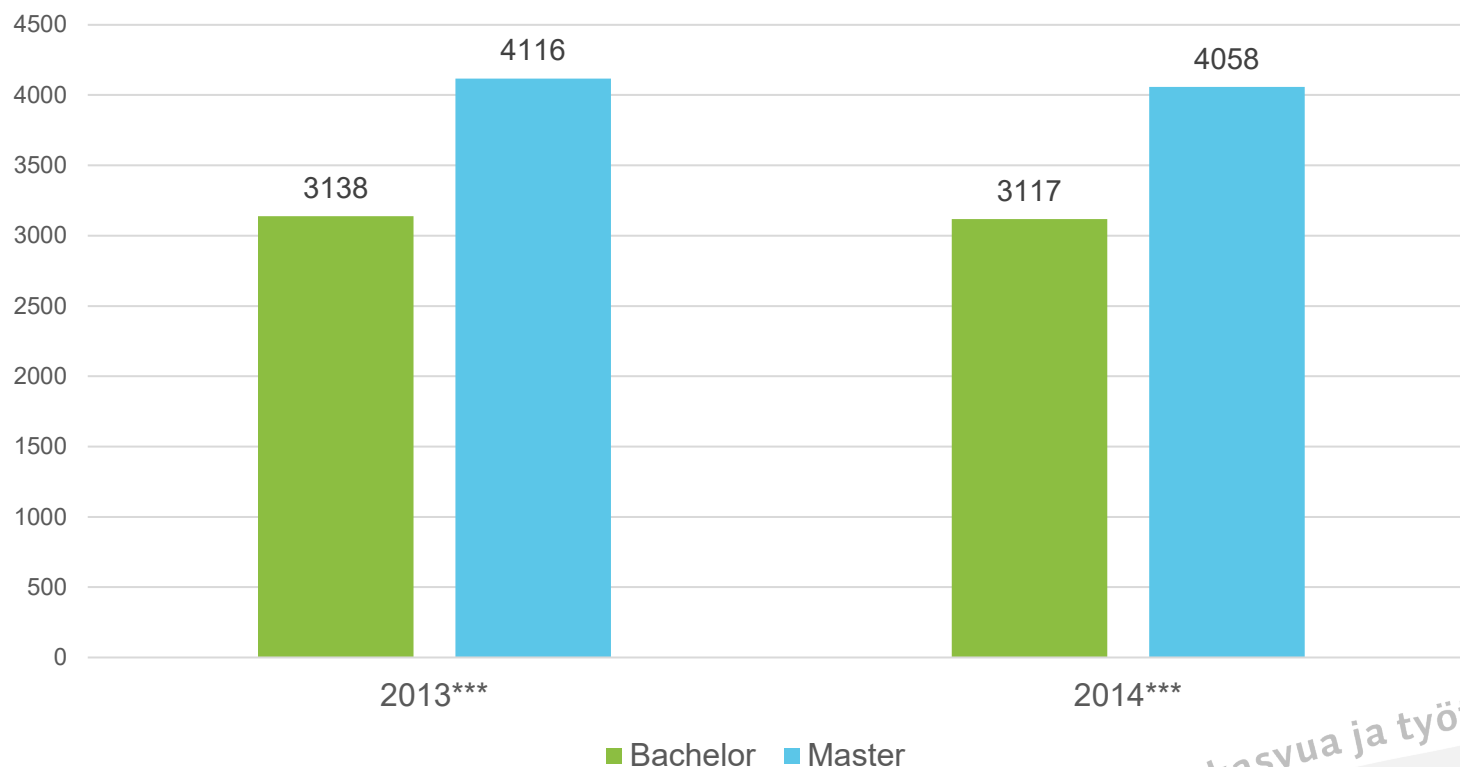
Kestävää kasvua ja työtä -ohjelma

Vipuvoimaa
EU:lta
 2014–2020



Euroopan unioni
 Euroopan sosiaalirahasto

What is your average gross salary or monthly income (including regular allowances, taxable value of fringe benefits, and overtime pay) at the moment?* Average



Kestävää kasvua ja työtä -ohjelma

Vipuvoimaa
EU:lta
2014–2020



Euroopan unioni
Euroopan sosiaalirahasto

Relative probability of unemployment five years after graduation, logistic regression analysis

(next page)

- The data is the combined, unweighted data of graduates of 2013 and 2014.
- The relative probability to that the individual is unemployed/employed five years after graduation is explained (vs. not unemployed).
- The odds ratio is reported.
 - Each variable has a comparison class (CC)*, which gets the value 1.00 and to which the other classes of the variable are compared.
 - One year of age in the constant variable (age) changes the probability of the issue being explained with the factor the variable gets.
- A direct impact is obtained, when there is only one variable in the model.
- When all variables are added to the model at the same time, it can be seen which variable has an independent impact on the variable being explained and which variables' impact has been indirect.
- The classes of the variable marked with a star indicate a statistically significant result, i.e. the result is not coincidental with at least 95% certainty.
 - * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

Kestävää kasvua ja työtä -ohjelma

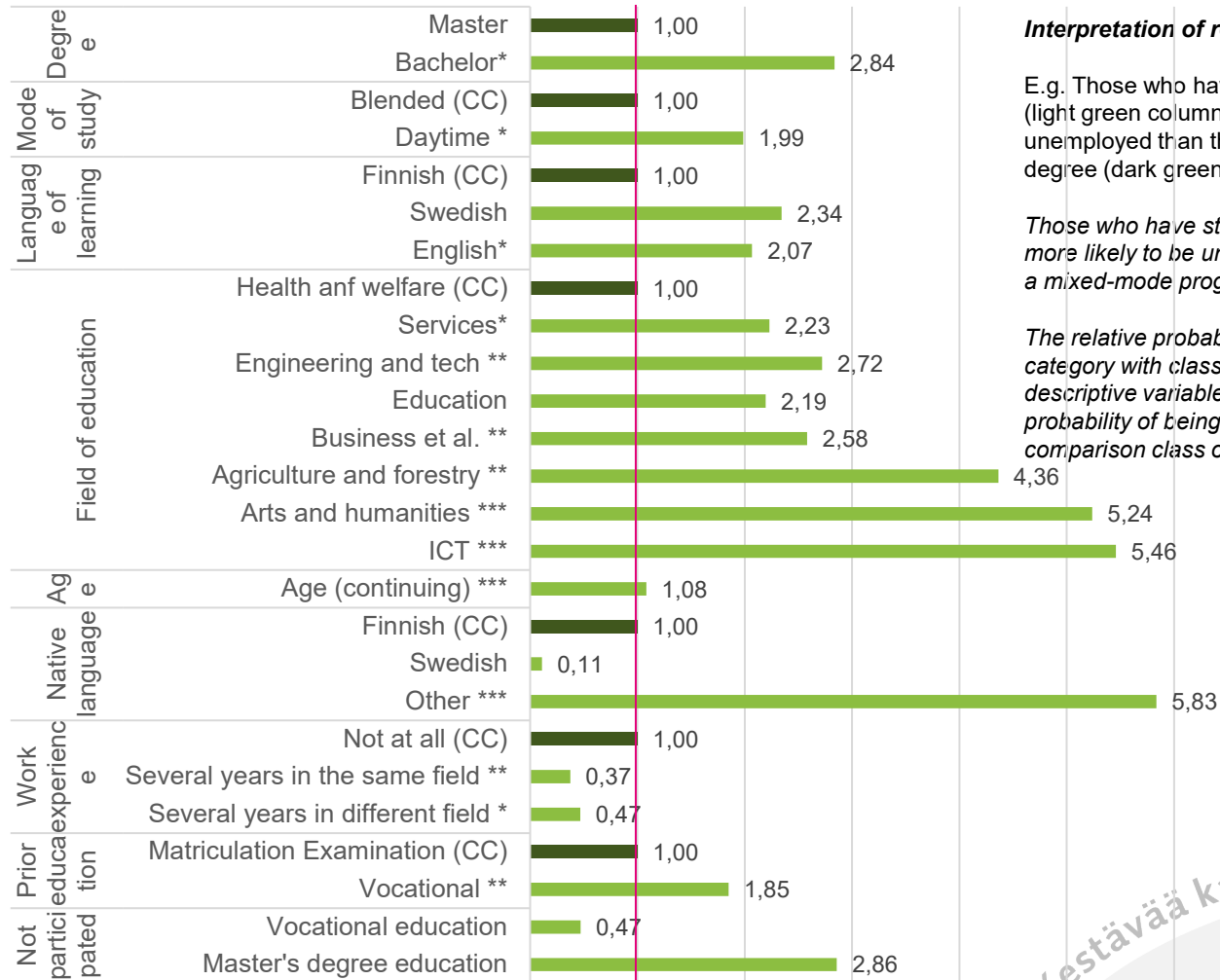
Vipuvoimaa
EU:lta
2014–2020



Euroopan unioni
Euroopan sosiaalirahasto

Relative probability of unemployment five years after graduation

logistic regression analysis. CC=comparison class, always gets value 1.



Interpretation of results:

E.g. Those who have completed a UAS Bachelor's degree (light green column) are 2.48 times more likely to be unemployed than those who have completed a Master's degree (dark green column, CC)

Those who have studied in a daytime programme are 1.99 more likely to be unemployed than those who have studied in a mixed-mode programme.

The relative probability of unemployment is compared in each category with class 1 (dark green column). The value each descriptive variable class has received indicates the relative probability of being unemployed compared with the comparison class of the variable (VL, dark green column).

Kestävää kasvua ja työtä -ohjelma

The respondents are graduates of 2013 and 2014 (N = 16 661).

Vipuvoimaa
EU:lta
2014–2020

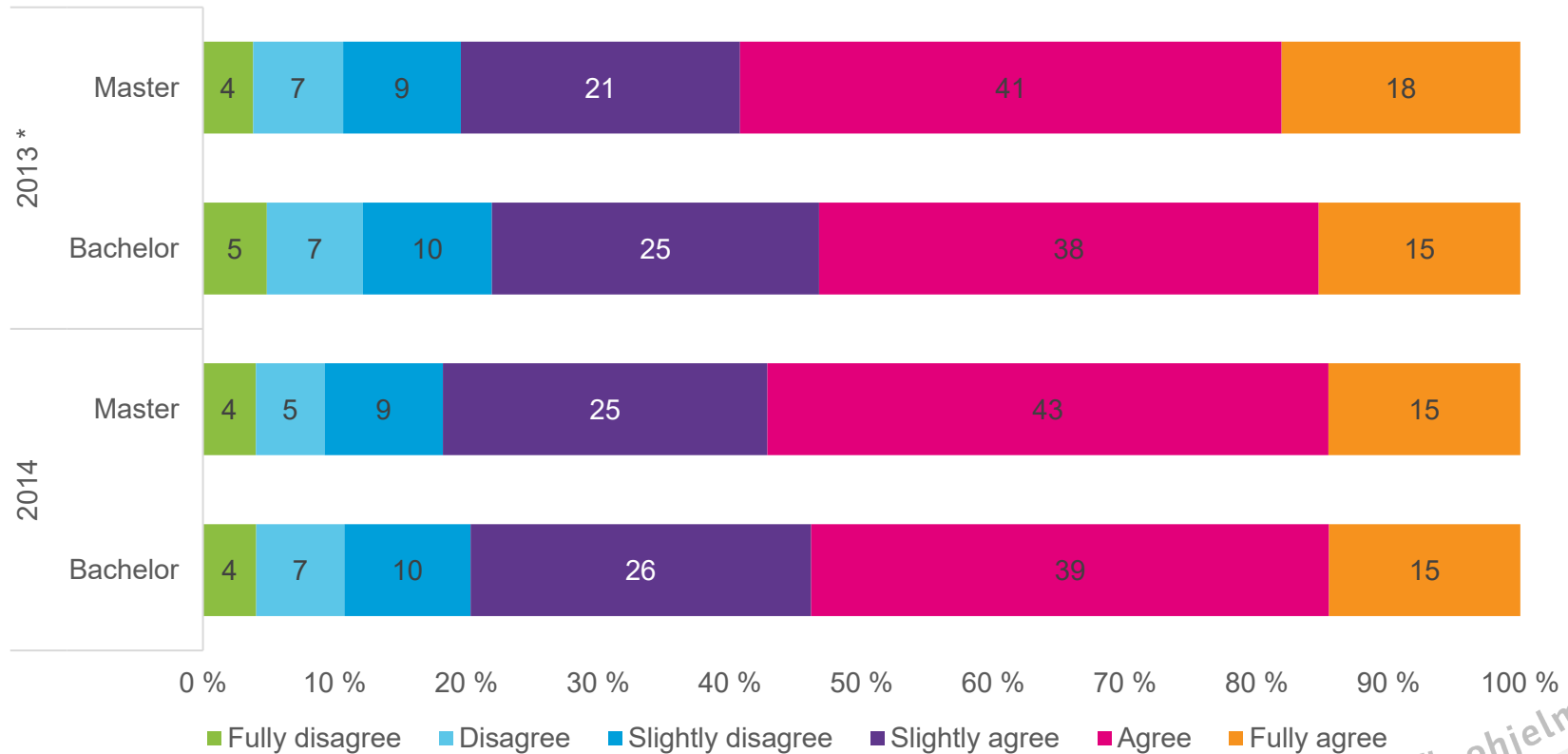


Euroopan unioni
Euroopan sosiaalirahasto

Correspondence between competence and job

Kestävää kasvua ja työtä -ohjelma

The skills and knowledge I learned at UAS can be applied well in my first job after graduation (%)

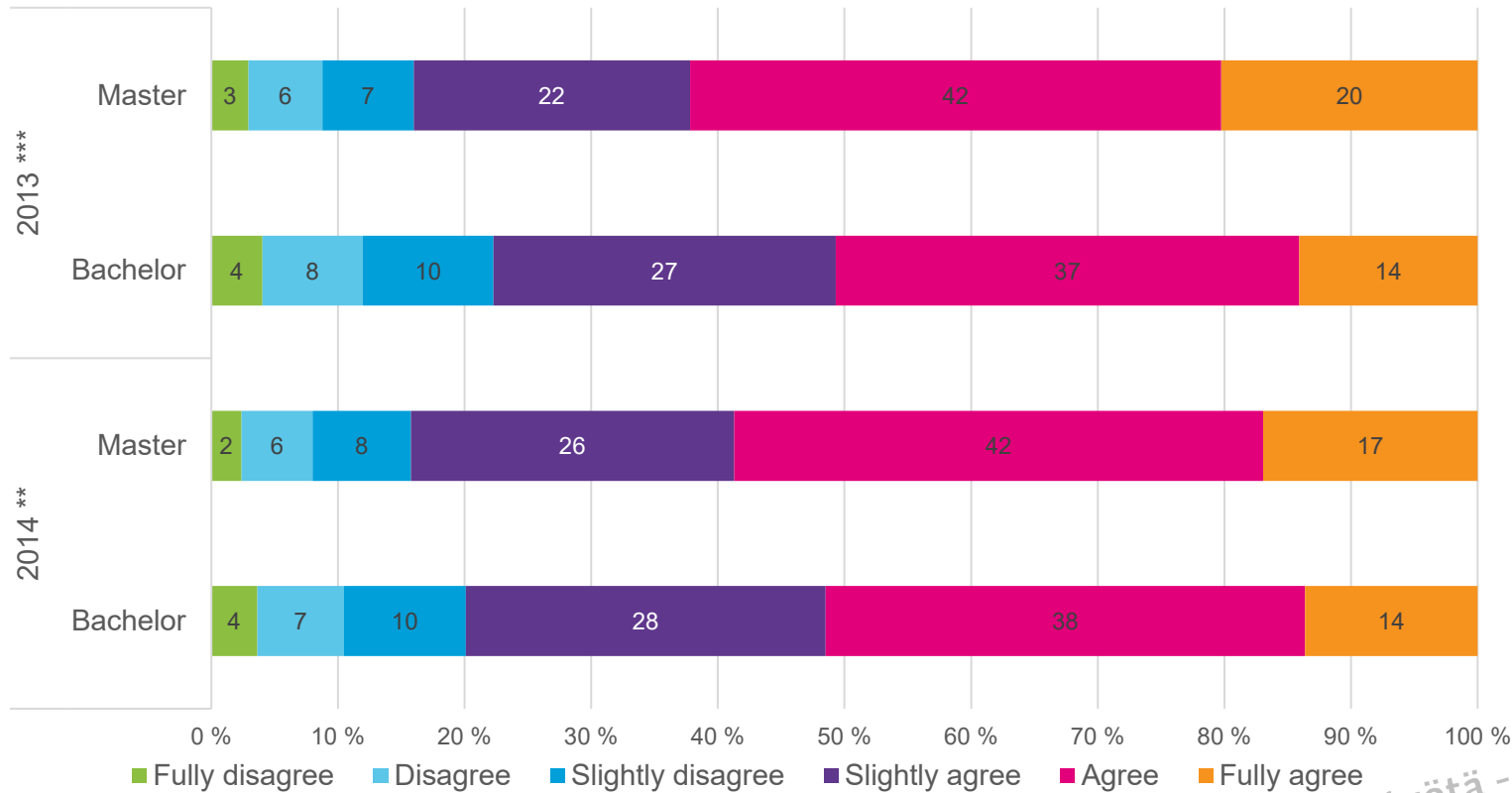


Kestävää kasvua ja työtä -ohjelma

Vipuvoimaa
EU:lta
2014–2020



The skills and knowledge I learned at UAS can be applied well in my current job (%)

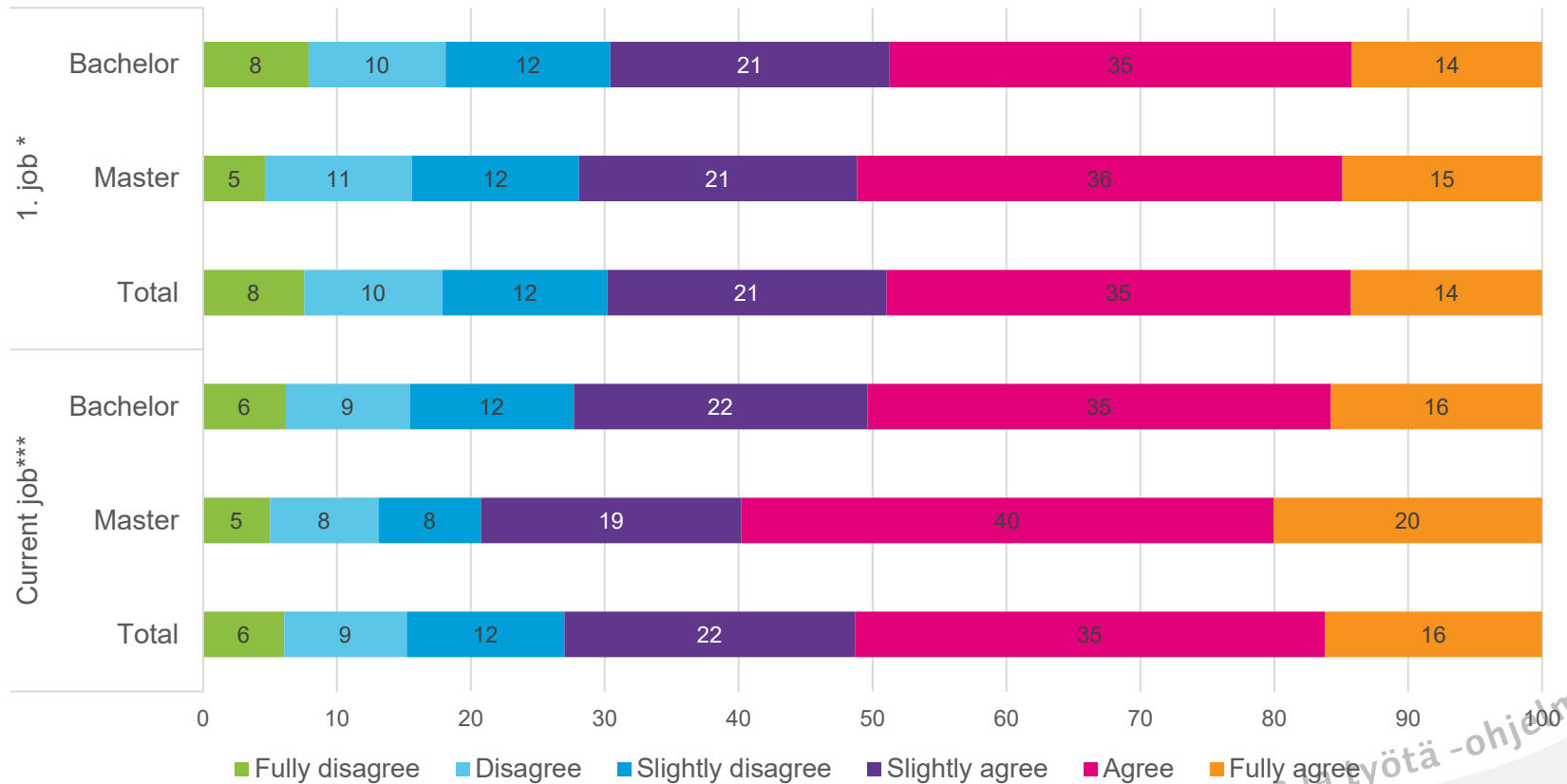


Kestävää kasvua ja työtä -ohjelma

Vipuvoimaa
EU:lta
2014–2020



The requirements of my job correspond well with my UAS qualifications (%)



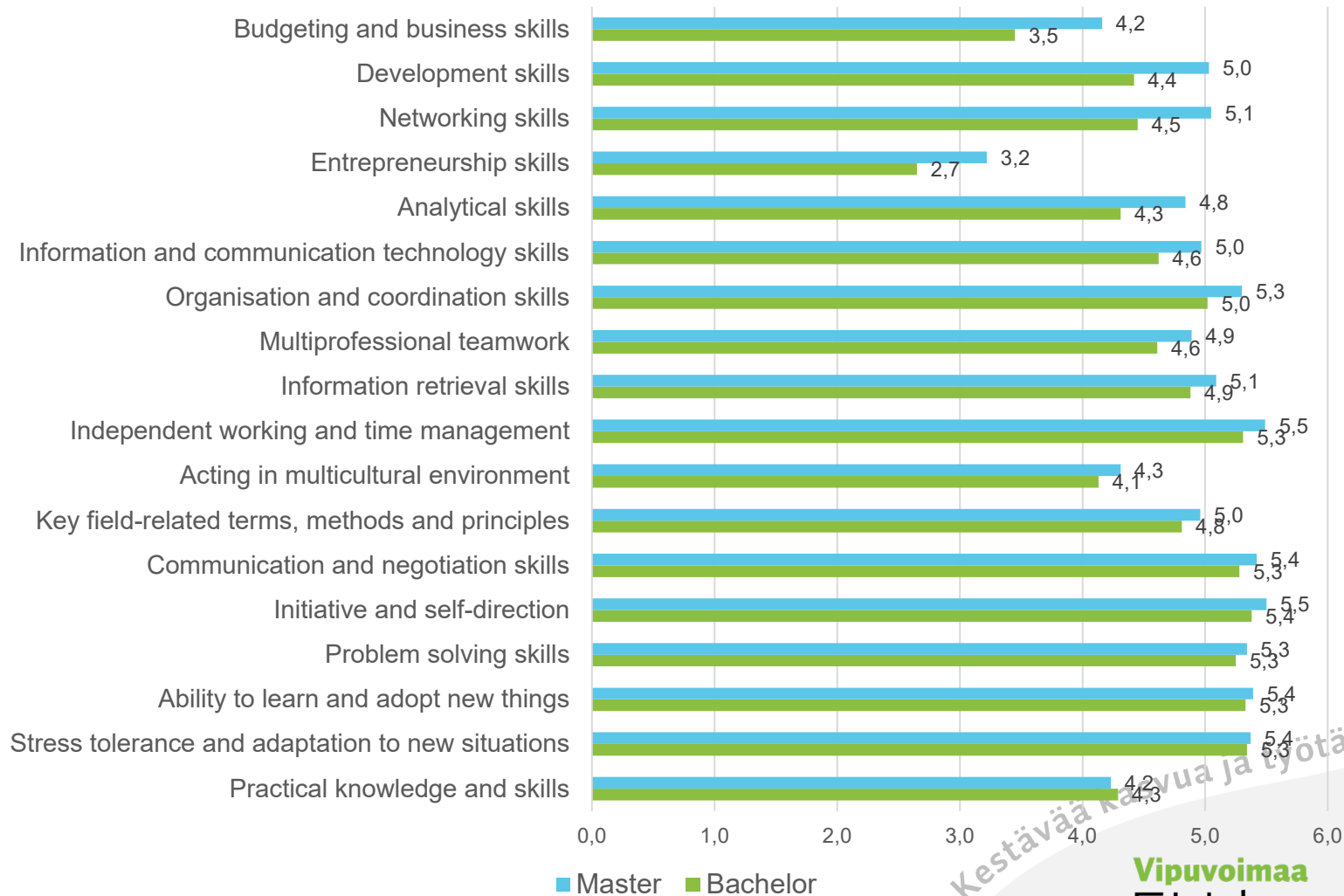
Kestävää kasvua ja työtä -ohjelma

Vipuvoimaa
EU:lta
2014–2020



How important are the following knowledge and skills in your current job?

Averages of bachelors and masters. 1 = not important at all, 6 = very important. Graduates of 2014.



Kestävää kasvua ja työtä -ohjelma

Vipuvoimaa
EU:lta
2014–2020



AMKISTA URALLE

Uraseurantatiedot käyttöön



Elinkeino-, liikenne- ja ympäristökeskus

Education after graduation

Kestävää kasvua ja työtä -ohjelma

TURKU AMK
TURKU UNIVERSITY OF
APPLIED SCIENCES

HAMK
HÄMEEN AMMATTIKORKEAKOULU
HÄME UNIVERSITY OF APPLIED SCIENCES

LAUREA
AMMATTIKORKEAKOULU
Yhteisöedistämisen

OAMK
OULUN AMMATTIKORKEAKOULU

**Tampereen
ammattikorkeakoulu**

**OPISKELUN JA
KOULUTUKSEN
TUTKIMUSSÄÄTIÖ**

**Vipuvoimaa
EU:lta
2014–2020**



Euroopan unioni
Euroopan sosiaalirahasto

Have you taken part in any education since graduating?

Graduates of 2014

	Bachelor	Master
Vocational upper secondary education	2%	0%
Professional further education (vocational or specialist qualification)	6%	9%
Professional specialisation studies (UAS)	3%	4%
Qualifications upgrade (to obtain authorisation)	3%	6%
Bachelor's degree studies in a UAS	4%	1%
Bachelor's degree studies in a UAS	9%	3%
Master's degree studies in a university	12%	8%
Doctoral or licentiate degree studies	1%	1%
Shorter training, courses or modules	28%	37%
Other education	5%	9%
I have not participated in education	27%	21%

-ohjelma

Kestävää kasvua

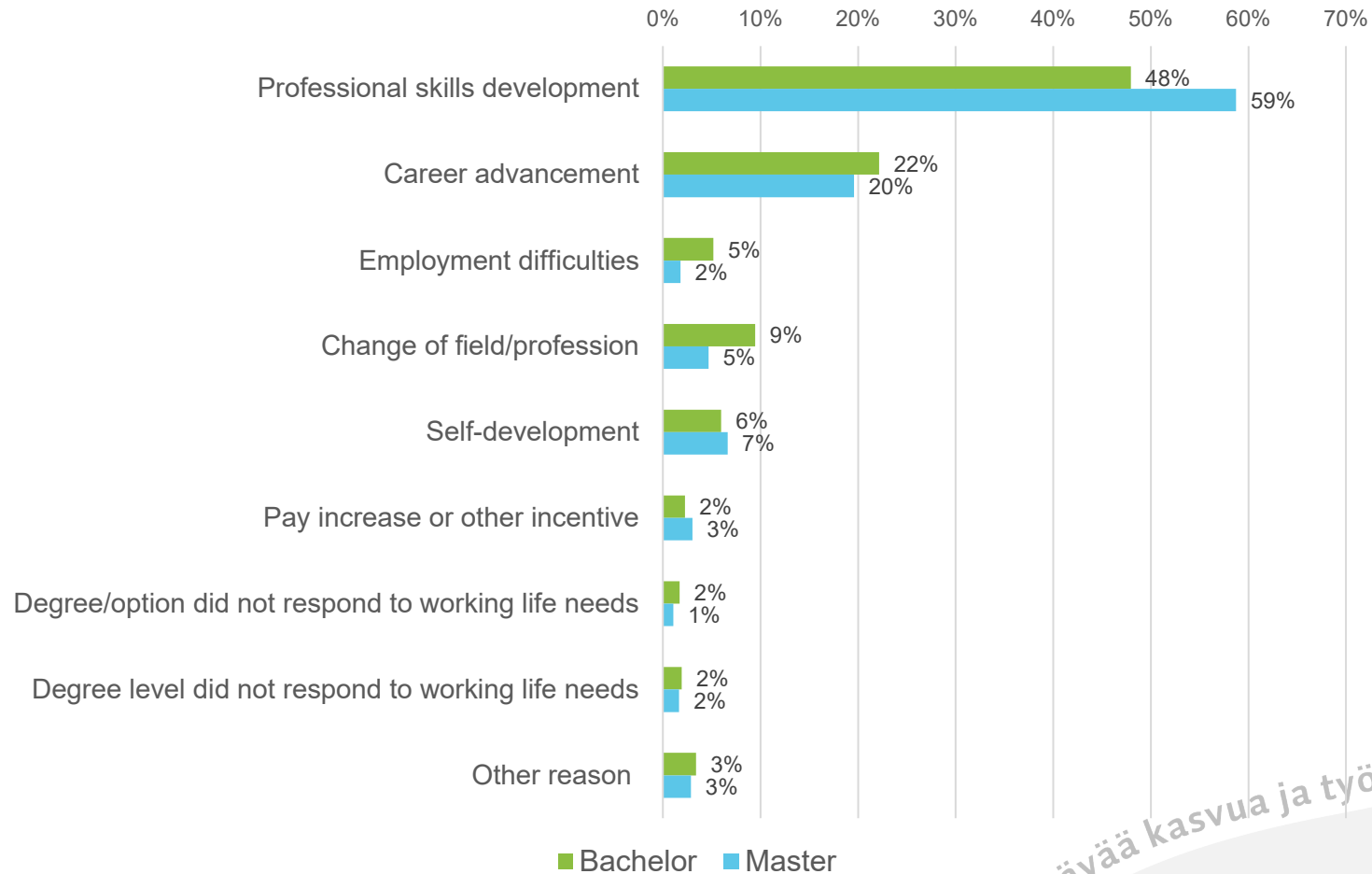
Vipuvoimaa
EU:lta
2014–2020



Euroopan unioni
Euroopan sosiaalirahasto

What was the most important reason for your participation in the above-mentioned education?

Graduates of 2014



Kestävää kasvua ja työtä -ohjelma

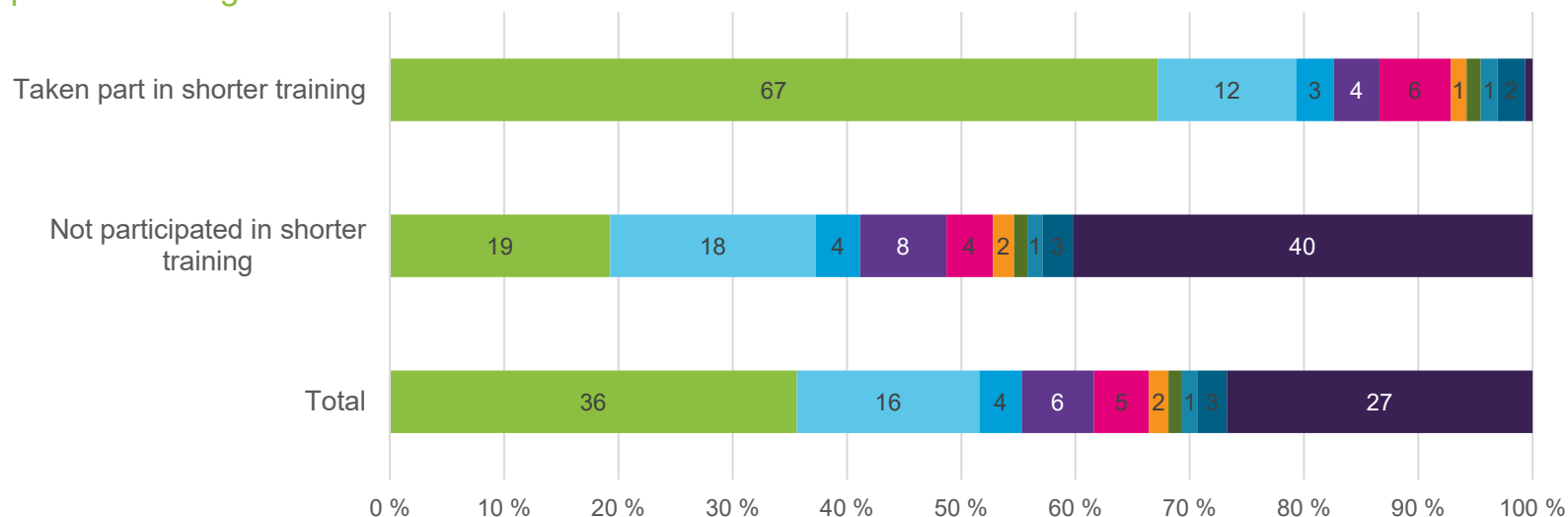
Vipuvoimaa
EU:lta
2014–2020



Euroopan unioni
Euroopan sosiaalirahasto

The most important reason for participating in additional education (%) (p < 0,001)

Respondents are graduates of 2014



- Professional skills development
- Career advancement
- Employment difficulties
- Change of field/profession
- Self-development
- Pay increase or other incentive
- Degree/option did not respond to working life needs
- Degree level did not respond to working life needs
- Other reason
- I have not participated in education

- Shorter training refers to other professional or continuing education than those leading to a degree or qualification (cf. page 27).

Kestävää kasvua ja työtä -ohjelma

Vipuvoimaa
EU:lta
2014–2020



Euroopan unioni
Euroopan sosiaalirahasto

More information and survey results

- [Vipunen](#) – Education statistics Finland
 - Statistics and indicators for education in a number of educational sectors, placement of students after completion, research conducted in higher education institutions, the population's educational structure and the socio-economic background of students.
 - Career monitoring results:
 - [Visualization](#) (Power BI)
 - [Excel online](#)
 - Enable e.g. filtering the examined data according to different background variables (e.g. field of education, degree) and comparison of the results with the national average.
- [Töissä.fi](#) -service
 - Information and statistics about the working life of graduates from the Universities and the Universities of Applied Sciences.
- uraseuranta@turkuamk.fi

Kestävää kasvua ja työtä -ohjelma

Vipuvoimaa
EU:lta
2014–2020



Euroopan unioni
Euroopan sosiaalirahasto

Thank you!



TURKU AMK
TURKU UNIVERSITY OF
APPLIED SCIENCES

HAMK
HÄMEEN AMMATTIKORKEAKOULU
HÄME UNIVERSITY OF APPLIED SCIENCES




LAUREA
AMMATTIKORKEAKOULU
Yhdessä enemmän

OAMK
OULUN AMMATTIKORKEAKOULU



Tampereen
ammattikorkeakoulu



OPISKELUN JA
KOULUTUKSEN
TUTKIMUSSÄÄTIÖ

Authors:

- Tina Lauronen, Otus
- Satu Helmi, TUAS
- Ismo Kinnunen, Oulu University of Applied Sciences
- Susanna Saarinen, Tampere University of Applied Sciences
- Pekka Sallinen, Tampere University of Applied Sciences

Kestävää kasvua ja työtä -ohjelma

Vipuvoimaa
EU:lta
2014–2020



Euroopan unioni
Euroopan sosiaalirahasto